



# **STIC Search Report**

## **EIC 2100**

**STIC Database Tracking Number: 102168**

**TO: Benjamin R Bruckart**  
**Location: 5A23**  
**Art Unit : 2155**  
**Thursday, September 04, 2003**

**Case Serial Number: 09/644587**

**From: David Holloway**  
**Location: EIC 2100**  
**PK2-4B30**  
**Phone: 308-7794**

**david.holloway@uspto.gov**

### **Search Notes**

Dear Examiner Bruckart,

Attached please find your search results for above-referenced case.  
Please contact me if you have any questions or would like a re-focused search.

David



# STIC EIC 2100 102168 Search Request Form 134

Today's Date:

8-22-03

What date would you like to use to limit the search?

Priority Date: before Sept 1, 1999 Other:

Name Ben Bruckner

AU 2155 Examiner # 79964

Room # 5A23 Phone 305-0324

Serial # 09/644587

Format for Search Results (Circle One):

PAPER DISK EMAIL Any

Where have you searched so far?

USP DWPI EPO JPO ACM BM TDB

IEEE INSPEC SPI Other \_\_\_\_\_

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

I am looking for something that takes URI (superset of URL) addresses in, parses them for a keyword and then searches the keyword for similar related content.

Claim 1 seems to explain it well where "first identifier" can be ~~used~~ any line or word additional words or letters in the line.

Searched data can be used for advertising or extra content to be displayed.

08-25-03 A09:10 IN

STIC Searcher David Holloway

Phone 308-7794

Date picked up 9-3-04

Date Completed 9-4-04



S1 5716 URL OR URN OR 'URLS OR URNS OR URI OR URIS OR DOI OR DOIS OR  
 DIGITAL()OBJECT()IDENTIFIER? OR (UNIFORM OR UNIVERSAL)()RESO-  
 URCE  
 S2 1465157 PARSE? OR PARSING OR FILTER? OR DIVIDE? OR SPLIT? ? OR BRE-  
 AK?  
 S3 5676325 PART? ? OR SEGMENT? OR FRAG OR FRAGMENT? OR COMPONENT? OR -  
 MODULE? OR SECTOR? OR STRING?  
 S4 35117 IDENTIFIER? OR KEYWORD? OR KEYTERM? OR KEYPHRASE? OR DESCR-  
 IPTOR? OR (INDEXED OR KEY)() (WORD? OR TERM? OR PHRASE? OR STR-  
 ING?)  
 S5 1117421 SEARCH? OR SEEK? OR FIND? OR LOCAT? OR QUER? OR RETRIEV?  
 S6 95 S1 AND S2 AND S3  
 S7 12 S4 AND S5 AND S6  
 S8 14 S6 AND S4  
 S9 45 S6 AND S5  
 S10 47 S7 OR S8 OR S9  
 S11 27 S10 AND IC=(G06F-017? OR G06F-015?)  
 S12 27 IDPAT (sorted in duplicate/non-duplicate order)  
 S13 27 IDPAT (primary/non-duplicate records only)  
 File 347:JAPIO Oct 1976-2003/May(Updated 030902)  
 (c) 2003 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2003/UD,UM &UP=200355  
 (c) 2003 Thomson Derwent

13/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015266706 \*\*Image available\*\*  
WPI Acc No: 2003-327635/200331  
Related WPI Acc No: 2001-536095  
XRPX Acc No: N03-261916

X  
Oct 1, 1999

**Online form filling method involves decoding location identifier ,  
form location , user identifier at selective proxy server which  
requests online form from form-originating server for processing**

Patent Assignee: INFOSPACE INC (INFO-N)

Inventor: MARKUS M A

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 6499042 | B1   | 20021224 | US 98103379 | P    | 19981007 | 200331 B |
|            |      |          | US 99411478 | A    | 19991001 |          |

Priority Applications (No Type Date): US 98103379 P 19981007; US 99411478 A 19991001

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC    | Filing Notes                        |
|------------|------|--------|-------------|-------------------------------------|
| US 6499042 | B1   | 6      | G06F-017/21 | Provisional application US 98103379 |

Abstract (Basic): US 6499042 B1

NOVELTY - The **location identifier** such as **URL** of a form-originating server, a form **location** and a user **identifier** received from a client, is decoded at a selective proxy server which requests the form-originating server to provide the online form. Data associated with user is inserted into the fields identified from the form by **parsing** the form, using user **identifier** after which the online form is transmitted to the client.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) selective proxy server;
- (2) electronic form processing method;
- (3) computer readable medium storing electronic form processing program; and
- (4) computer system for processing electronic form.

USE - For automatically filling in electronic form online with user's personal data.

ADVANTAGE - By using the selective proxy approach to fill in documents containing form elements, the documents forms are filled without the need for upgrading document browser and document server software **modules** , hence allows an entity to automatically release personal data to other entities connected through computer network.

DESCRIPTION OF DRAWING(S) - The figure shows the sequence diagram of the software **components** in which the selective proxy form filling process is executed to accomplish a form autofill.

pp; 6 DwgNo 3/3

Title Terms: FORM; FILL; METHOD; DECODE; **LOCATE** ; IDENTIFY; FORM; **LOCATE** ; USER; IDENTIFY; SELECT; SERVE; REQUEST; FORM; FORM; ORIGIN; SERVE; PROCESS

Derwent Class: T01

International Patent Class (Main): G06F-017/21

File Segment: EPI

13/5/6 (Item 6 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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*Not a good  
date*  
*June 14, 01*

015162620 \*\*Image available\*\*  
WPI Acc No: 2003-223148/200322  
Related WPI Acc No: 2003-203098  
XRPX Acc No: N03-177860

**Data addressing method for disk drive, involves extending URI identifier between standard portion and extension portion of URI and utilizing data stored in extension portion to control parser and recording unit**

Patent Assignee: DEUT THOMSON-BRANDT GMBH (THOH )  
Inventor: JANSSEN U; JOBST H; OSTERMANN R  
Number of Countries: 026 Number of Patents: 001  
Patent Family:

| Patent No  | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|------------|------|----------|---------------|------|----------|----------|
| EP 1271350 | A1   | 20030102 | EP 2001250216 | A    | 20010614 | 200322 B |

Priority Applications (No Type Date): EP 2001250216 A 20010614

Patent Details:

| Patent No  | Kind | Lan | Pg | Main IPC    | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| EP 1271350 | A1   | E   | 8  | G06F-017/30 |              |

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): EP 1271350 A1

NOVELTY - An **uniform resource identifier** ( URI ) is extended between standard portion and extension portion of URI using an URI de-limiter. The data stored in the URI extension portion is used to control a **parser** (PAR) and a recording unit (REC) which stores or replays corresponding portions of files.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for data addressing apparatus.

USE - For automatically or electronically addressing data within files stored in disk drive for electronic multimedia content referencing and content **location** , for collection with DVR/DVD standardization, meta data, personal video recorder, personal digital recorder, optical storage, hard disk storage, home server and web enabled storage.

ADVANTAGE - Possible to refer portions and **segments** in multimedia file. Electronically **locates** the content server device. Provides a simple and well-known human readable and computer interpretable description. **Locates** a multimedia content and automatically delivers it through the Internet.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data addressing apparatus.

pp; 8 DwgNo 1/1

Title Terms: DATA; ADDRESS; METHOD; DISC; DRIVE; EXTEND; IDENTIFY; STANDARD  
; PORTION; EXTEND; PORTION; UTILISE; DATA; STORAGE; EXTEND; PORTION;  
CONTROL; RECORD; UNIT

Derwent Class: T01; T03; W04

International Patent Class (Main): G06F-017/30

File Segment: EPI

13/5/7 (Item 7 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015142571 \*\*Image available\*\*  
WPI Acc No: 2003-203098/200320  
Related WPI Acc No: 2003-223148  
XRPX Acc No: N03-161795

**Automatic content referencing system for digital video recorder adds user generated input extension to uniform resource identifier string**

Patent Assignee: THOMSON LICENSING SA (CSFC ); HORENTRUP J (HORE-I);  
JANSSEN U (JANS-I); OSTERMANN R (OSTE-I)

Inventor: HOERENTRUP J; JANSSEN U; OSTERMANN R; HORENTRUP J

Number of Countries: 030 Number of Patents: 005

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| EP 1267282     | A1   | 20021218 | EP 2002291346 | A    | 20020603 | 200320 B |
| US 20020194188 | A1   | 20021219 | US 2002167819 | A    | 20020612 | 200320   |
| KR 2002095429  | A    | 20021226 | KR 200228399  | A    | 20020522 | 200330   |
| CN 1392498     | A    | 20030122 | CN 2002123208 | A    | 20020612 | 200332   |
| JP 2003108414  | A    | 20030411 | JP 2002165720 | A    | 20020606 | 200334   |

Priority Applications (No Type Date): EP 2001250216 A 20010614

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|            |    |   |   |             |  |
|------------|----|---|---|-------------|--|
| EP 1267282 | A1 | E | 8 | G06F-017/30 |  |
|------------|----|---|---|-------------|--|

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

|                |    |  |  |             |  |
|----------------|----|--|--|-------------|--|
| US 20020194188 | A1 |  |  | G06F-007/00 |  |
|----------------|----|--|--|-------------|--|

|               |   |  |  |             |  |
|---------------|---|--|--|-------------|--|
| KR 2002095429 | A |  |  | G11B-020/04 |  |
|---------------|---|--|--|-------------|--|

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|------------|---|--|--|-------------|--|
| CN 1392498 | A |  |  | G06F-017/30 |  |
|------------|---|--|--|-------------|--|

|               |   |  |   |             |  |
|---------------|---|--|---|-------------|--|
| JP 2003108414 | A |  | 6 | G06F-012/00 |  |
|---------------|---|--|---|-------------|--|

Abstract (Basic): EP 1267282 A1

NOVELTY - A **parser** (PAR) controlled by a User Interface (UI) evaluates **Uniform Resource Identifiers (URIs)** attached to the metadata of a digital video signal bitstream (BSI) and uses the **URIs** to control a recorder (REC) and/or encoder/decoder (E/D). The audio/video data (AV) is recorded in files in the recorder and may pass through the encoder /decoder before recording or playback.

DETAILED DESCRIPTION - The **parser** sends the metadata to the encoder/decoder

and/or recorder according to the **URI** extension data entered by the user at the user interface. In playback mode, the encoder/

decoder output is sent to a display (DIS) or as a bitstream (BSO)

An INDEPENDENT CLAIM is also included for apparatus for automatically or electronically addressing data within a file.

USE - For automatically **locating** and referencing content on digital multimedia storage media

ADVANTAGE - The system enables referencing of **segments** of and entire multimedia files, and is Internet-compatible using **URI** coding over the Internet with simple human and computer-readable descriptions. The Internet domain name service is used to **locate** the content server device.

DESCRIPTION OF DRAWING(S) - Audio/video data (AV)

Bitstream (BSI, BSO)

Display (DIS)

Encoder/decoder (E/D)

**Parser** (PAR)

Recorder (REC)

User interface (UI)

pp; 8 DwgNo 1/1

Title Terms: AUTOMATIC; CONTENT; REFERENCE; SYSTEM; DIGITAL; VIDEO; RECORD;

ADD; USER; GENERATE; INPUT; EXTEND; UNIFORM; RESOURCE; IDENTIFY; **STRING**

Derwent Class: T01; W04

International Patent Class (Main): G06F-007/00; G06F-012/00; **G06F-017/30** ;

G11B-020/04

International Patent Class (Additional): H04N-005/76

X  
not a data  
6-14-01

13/5/8 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014775947 \*\*Image available\*\*

WPI Acc No: 2002-596653/200264

**Web parsing robot, web checker robot, and multimedia search system  
using the robot**

Patent Assignee: CHO W M (CHOW-I)

Inventor: CHO W M

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No     | Kind | Date     | Applicat No  | Kind | Date     | Week     |
|---------------|------|----------|--------------|------|----------|----------|
| KR 2002019165 | A    | 20020312 | KR 200052294 | A    | 20000905 | 200264 B |

Priority Applications (No Type Date): KR 200052294 A 20000905

Patent Details:

| Patent No     | Kind | Lan Pg | Main IPC    | Filing Notes |
|---------------|------|--------|-------------|--------------|
| KR 2002019165 | A    | 1      | G06F-017/30 |              |

KR 2002019165 A 1 G06F-017/30

Abstract (Basic): KR 2002019165 A

NOVELTY - A multimedia **search** system using a web **parsing** robot and a web checker robot is provided to enable the **parsing** robot to analyze internet **URLs**, the checker robot to read **URL** data from a DBMS, try to access the web site corresponding to the **URL**, and to store access results, namely existing a file or not in the web site, and to support various **search** operation on web pages, moving picture files, sound files or document files.

DETAILED DESCRIPTION - The system comprises a web **parsing** robot(100), an access checker robot(300), and a multimedia **search** robot(500). The web page robot(100) includes a web server access **module**, a **URL** analysis **module**, an HTML tag analysis **module**, and a data storage **module**. The web server access **module** calls an API function, accesses a host by inputting an access **URL**, checks the access state, receives a response from an API server, and stores an IP, a header, contents variables transmitted from the server. The **URL** analysis **module** reads an FURL, VURL page of a link, gets a size of the VURL, analyzes the page link and stores an analysis result at an RDBMS. The HTML tag analysis **module** reads the **URL** of the link, processes conditions for each type of the analysis file, and stores the processing result at each database. The access checker robot(300) reads the **URL** data from the DBMS, tries to access the corresponding web site, and stores the access results, namely existing a file or not in the web site. The multimedia **search** robot(500) reads **search** words, **searches** for the words in a data table, outputs the **search** result, designates a template file corresponding to the **search** word for reading related words, and stores user informations and user designated **search** words in a database.

pp; 1 DwgNo 1/10

Title Terms: WEB; **PARSE**; ROBOT; WEB; CHECK; ROBOT; **SEARCH**; SYSTEM;  
ROBOT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

13/5/9 (Item 9 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014686190 \*\*Image available\*\*  
WPI Acc No: 2002-506894/200254  
XRPX Acc No: N02-401065

Navigation system for dynamically generated HTML formatted report,  
parses intermediate file using report viewing program to generate  
requested report in response to particular URL sent to server

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: WONE M N

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No    | Kind | Date     | Applicat No | Kind | Date     | Week     |
|--------------|------|----------|-------------|------|----------|----------|
| US 6393422 ✓ | B1   | 20020521 | US 98191518 | A    | 19981113 | 200254 B |

Priority Applications (No Type Date): US 98191518 A 19981113

Patent Details:

| Patent No  | Kind | Lan | Pg | Main IPC    | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| US 6393422 | B1   |     | 12 | G06F-017/30 |              |

Abstract (Basic): US 6393422 B1

NOVELTY - A menu generated by parsing intermediate files, is associated with multiple uniform resource locators (URLs), so that a browser (14) requests for a report by returning a URL selected from the menu to a server (12). A report viewing program parses the intermediate file to generate desired report based on the URL.

USE - For navigating between dynamically generated HTML formatted reports over Internet.

ADVANTAGE - Enables quick viewing of the reports over Internet without requiring repetitive computation. Occupies very less space in the server by adding intermediate files that contain data statement required for generation and viewing of reports. Provides efficient retrieval of different types of data from intermediate files and also provides improved navigation between reports by dynamic updating of URL addresses.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of Internet/server/browser component arrangement.

Server (12)

Browser (14)

pp; 12 DwgNo 2/7

Title Terms: NAVIGATION; SYSTEM; DYNAMIC; GENERATE; REPORT; INTERMEDIATE;  
FILE; REPORT; VIEW; PROGRAM; GENERATE; REQUEST; REPORT; RESPOND; SEND;  
SERVE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

Good



13/5/11 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014644591 \*\*Image available\*\*  
WPI Acc No: 2002-465295/200250  
XRPX Acc No: N02-366788

Database search method on internet and intranet, involves triggering  
parsing of request string into uniform resource locator and  
search string using generated error signal

Patent Assignee: ONE-STOP.TO LTD (ONES-N)

Inventor: LING J R

Number of Countries: 094 Number of Patents: 006

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| GB 2368414     | A    | 20020501 | GB 200026285  | A    | 20001027 | 200250 B |
| US 20020059192 | A1   | 20020516 | US 2000732947 | A    | 20001208 | 200250   |
| WO 200235387   | A1   | 20020502 | WO 2001GB703  | A    | 20010219 | 200250   |
| AU 200137537   | A    | 20020506 | AU 200137537  | A    | 20010219 | 200257   |
| GB 2368414     | B    | 20020911 | GB 200026285  | A    | 20001027 | 200268   |
| US 6526402     | B2   | 20030225 | US 2000732947 | A    | 20001208 | 200323   |

Priority Applications (No Type Date): GB 200026285 A 20001027

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|            |   |  |    |             |  |
|------------|---|--|----|-------------|--|
| GB 2368414 | A |  | 25 | G06F-017/30 |  |
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|----------------|----|--|--|-------------|--|
| US 20020059192 | A1 |  |  | G06F-007/00 |  |
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|              |      |  |  |             |  |
|--------------|------|--|--|-------------|--|
| WO 200235387 | A1 E |  |  | G06F-017/30 |  |
|--------------|------|--|--|-------------|--|

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

|              |   |  |  |             |                              |
|--------------|---|--|--|-------------|------------------------------|
| AU 200137537 | A |  |  | G06F-017/30 | Based on patent WO 200235387 |
|--------------|---|--|--|-------------|------------------------------|

|            |   |  |  |             |  |
|------------|---|--|--|-------------|--|
| GB 2368414 | B |  |  | G06F-017/30 |  |
|------------|---|--|--|-------------|--|

|            |    |  |  |             |  |
|------------|----|--|--|-------------|--|
| US 6526402 | B2 |  |  | G06F-017/30 |  |
|------------|----|--|--|-------------|--|

Abstract (Basic): GB 2368414 A

NOVELTY - The method involves submitting a request string with a valid pointer having a uniform resource locator ( URL ) to a specified search engine, and a search string for the specified data. The generated error signal is used to trigger the parsing of the request string into the URL and the search string . The search string is submitted to the search engine. The data from the search engine is passed back to a user.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for computer program storing instructions for database searching .

USE - For internet and intranet searching of database using search engine, for customer such as business and private use, government, children and adult. Also applicable to search for categorized information and for freestyle searching .

ADVANTAGE - Permits searching in a fashion more seamless to the user. The database is quickly and easily searched in a fewer number of steps.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram illustrating the database searching steps.

pp; 25 DwgNo 2/4

Title Terms: DATABASE; SEARCH ; METHOD; TRIGGER; PARSE ; REQUEST; STRING  
; UNIFORM; RESOURCE; LOCATE ; SEARCH ; STRING ; GENERATE; ERROR;  
SIGNAL

Derwent Class: T01

International Patent Class (Main): G06F-007/00; G06F-017/30

File Segment: EPI

13/5/13 (Item 13 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014376947 \*\*Image available\*\*  
WPI Acc No: 2002-197650/200226  
XRPX Acc No: N02-150170

**Hyper-media resource search engine has resource indexing module  
accessible from data network for creation and use of indexing base uses  
hyper text links to associate dependent resource with principal resource**

Patent Assignee: FRANCE TELECOM (ETFR ); FRANCE TELECOM SA (ETFR )

Inventor: PLU M

Number of Countries: 096 Number of Patents: 004

Patent Family:

| Patent No    | Kind | Date     | Applicat No   | Kind | Date     | Week   |   |
|--------------|------|----------|---------------|------|----------|--------|---|
| FR 2807537   | A1   | 20011012 | FR 20004419   | A    | 20000406 | 200226 | B |
| AU 200148451 | A    | 20011023 | AU 200148451  | A    | 20010403 | 200226 |   |
| WO 200177890 | A1   | 20011018 | WO 2001FR998  | A    | 20010403 | 200228 |   |
| EP 1269355   | A1   | 20030102 | EP 2001921462 | A    | 20010403 | 200310 |   |
|              |      |          | WO 2001FR998  | A    | 20010403 |        |   |

Priority Applications (No Type Date): FR 20004419 A 20000406

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|            |    |    |             |  |  |
|------------|----|----|-------------|--|--|
| FR 2807537 | A1 | 16 | G06F-017/30 |  |  |
|------------|----|----|-------------|--|--|

|              |   |  |             |                 |              |
|--------------|---|--|-------------|-----------------|--------------|
| AU 200148451 | A |  | G06F-017/30 | Based on patent | WO 200177890 |
|--------------|---|--|-------------|-----------------|--------------|

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|--------------|------|--|-------------|--|--|
| WO 200177890 | A1 F |  | G06F-017/30 |  |  |
|--------------|------|--|-------------|--|--|

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS  
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

|            |      |  |             |                 |              |
|------------|------|--|-------------|-----------------|--------------|
| EP 1269355 | A1 F |  | G06F-017/30 | Based on patent | WO 200177890 |
|------------|------|--|-------------|-----------------|--------------|

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): FR 2807537 A1

NOVELTY - An indexer (12) has means (20) for associating each dependent resource with at least a principal resource as function of hyper text links between dependent resources and principal resource. Has also means for transferring copy of principal resource **descriptors** to dependent resources associated with them. **Search module** (14) has **filter** for resources indexed by **module** (12), by combined processing of **descriptors** extracted by this resource and **descriptors** transferred to it.

DETAILED DESCRIPTION - **Search engine** has a server (2) including a directory database (8), an indexation base (10), a indexing **module** (12) for resources (4) accessible from a data network for creation and use in the base (10). It has a **search module** (14) for resources on the network connected to the indexation base (10) and to an access terminal (6). The **search module** is designed to interrogate the indexation base from a request formulated by a user and to provide in response, the universal address **URL** of the resource corresponding to the request. The indexation **module** (12) includes means for collecting principal resources, from the directory database (8), means for extracting dependent resources from principal resources and means for indexing resources so as to extract from them **descriptors** .

USE - For data **searching** .

ADVANTAGE - Designed to improve the quality of responses so as to better meet the needs of a user.

DESCRIPTION OF DRAWING(S) - The drawings shows the general structure of the **search engine**

server (2)

database (4)

access terminal (6)

directory database (8)

indexation base (10)

indexation module (12)

search module (14)

pp; 16 DwgNo 1/1

Title Terms: HYPER; MEDIUM; RESOURCE; **SEARCH** ; ENGINE; RESOURCE; INDEX;  
**MODULE** ; ACCESS; DATA; NETWORK; CREATION; INDEX; BASE; HYPER; TEXT; LINK;  
ASSOCIATE; DEPEND; RESOURCE; PRINCIPAL; RESOURCE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): **G06F-017/40** ; H04L-012/28

File Segment: EPI

13/5/14 (Item 14 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014358502 \*\*Image available\*\*  
WPI Acc No: 2002-179203/200223  
XRPX Acc No: N02-136312

**Internet/world-wide-web-based advertisement replacement system, has user terminal with a mechanism to replace the original advertising content with a new advertising content**

Patent Assignee: GRANIK J (GRAN-I); MEYERS R (MEYE-I); WATERVOORT F (WATE-I)

Inventor: GRANIK J; MEYERS R; WATERVOORT F  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| US 20020010757 | A1   | 20020124 | US 99168877   | P    | 19991203 | 200223 B |
|                |      |          | US 2000728307 | A    | 20001201 |          |

Priority Applications (No Type Date): US 99168877 P 19991203; US 2000728307 A 20001201

Patent Details:

| Patent No      | Kind | Lan Pg | Main IPC    | Filing Notes                        |
|----------------|------|--------|-------------|-------------------------------------|
| US 20020010757 | A1   | 10     | G06F-015/16 | Provisional application US 99168877 |

Abstract (Basic): US 20020010757 A1

NOVELTY - The web browser (12) of a user terminal (13) receives web-based communications having original advertising content which includes a target **uniform resource locator**, with a **filter** mechanism identifying the original advertising content. The terminal also has a mechanism to replace the original content with a new advertising content.

DETAILED DESCRIPTION - The new advertising content is determined based on a user profile information maintained by the system itself, the content including a **URL** content for enabling user access to a destination web site affiliated with advertisers providing the new advertising content. An INDEPENDENT CLAIM is also included for an Internet/world-wide-web-based advertisement replacement method.

USE - For replacing advertising content on web-based communications received by users.

ADVANTAGE - Provides a system implemented as a software application that can be downloaded by users of popular Internet web browsers to enhance and personalize their web browsing experience by replacing undesirable advertising content with new advertising or data content. Advantageous for viewers who may watch television on his or her home computer, when technology permits.

DESCRIPTION OF DRAWING(S) - The figure is a diagram illustrating, at a high level, the **components** that cooperate to support the Ad Replacer system.

Web browser (12)  
User terminal (13)  
pp; 10 DwgNo 1/1

Title Terms: WORLD; WIDE; WEB; BASED; ADVERTISE; REPLACE; SYSTEM; USER; TERMINAL; MECHANISM; REPLACE; ORIGINAL; ADVERTISE; CONTENT; NEW; ADVERTISE; CONTENT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

13/5/18 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014057368 \*\*Image available\*\*

WPI Acc No: 2001-541581/200160

XRPX Acc No: N01-402510

Parsing method for script encoded in recursive scripting language,  
involves returning first hashtable to second command in script

Patent Assignee: TIMMONS M (TIMM-I); ONEPAGE INC (ONEP-N)

Inventor: TIMMONS M

Number of Countries: 023 Number of Patents: 002

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| WO 200159623   | A2   | 20010816 | WO 2001US4331 | A    | 20010208 | 200160 B |
| US 20010044810 | A1   | 20011122 | US 2000180994 | A    | 20000208 | 200176   |
|                |      |          | US 2000219156 | A    | 20000719 |          |
|                |      |          | US 2000246674 | A    | 20001107 |          |
|                |      |          | US 2001780993 | A    | 20010208 |          |

*Bad  
date*

Priority Applications (No Type Date): US 2000246674 P 20001107; US  
2000180994 P 20000208; US 2000219156 P 20000719; US 2001780993 A 20010208

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200159623 A2 E 36 G06F-017/30

Designated States (National): CN GB JP KR US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE TR

US 20010044810 A1 G06F-015/00 Provisional application US 2000180994

Provisional application US 2000219156

Provisional application US 2000246674

Abstract (Basic): WO 200159623 A2

NOVELTY - A first hashtable, in which a network resource is stored,  
is returned to a second command in a script, in which a first command  
is nested within to **parse** the second command. The network resource is  
**retrieved** corresponding to the **URN** from a wide area network.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

- (a) a **string identifier** for electronic document **segment** ;
- (b) a **string identifier parsing** method;
- (c) an electronic document **searching** method;
- (d) a web content **retrieval** ;
- (e) and a computer network system.

USE - For script encoded in recursive scripting language. For  
computer network.

ADVANTAGE - Facilitates collection and distribution of information  
over computer network. Marks content distributed over network. Enables  
instant display of current information distributed over network.  
Enables customized aggregation of network content. Enables user to  
simultaneously view multiple web sites within single window. Simplifies  
**search** process. Improves quality of **search** result.

DESCRIPTION OF DRAWING(S) - The figure shows the system  
architecture of an information **retrieval** system.

pp; 36 DwgNo 5/8

Title Terms: **PARSE** ; METHOD; SCRIPT; ENCODE; RECURSIVE; LANGUAGE; RETURN;  
FIRST; SECOND; COMMAND; SCRIPT

Derwent Class: T01

International Patent Class (Main): G06F-015/00 ; G06F-017/30

File Segment: EPI

13/5/21 (Item 21 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012304868 \*\*Image available\*\*  
WPI Acc No: 1999-110974/199910  
XRPX Acc No: N99-080846

**Homepage discrimination system for internet - transmits identification information, page description or URL information of homepage, that are stored in storing module in form of table, according to client requirement**

Patent Assignee: NEC SOFTWARE CHUBU LTD (NIDE )  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| JP 10334113 | A    | 19981218 | JP 97146113 | A    | 19970604 | 199910 B |
| JP 3056127  | B2   | 20000626 | JP 97146113 | A    | 19970604 | 200035   |

Priority Applications (No Type Date): JP 97146113 A 19970604

Patent Details:

| Patent No   | Kind | Lan | Pg | Main IPC    | Filing Notes                      |
|-------------|------|-----|----|-------------|-----------------------------------|
| JP 10334113 | A    |     | 6  | G06F-017/30 |                                   |
| JP 3056127  | B2   |     | 7  | G06F-017/30 | Previous Publ. patent JP 10334113 |

*June 9, 1997*

Abstract (Basic): JP 10334113 A

NOVELTY - A management unit (3) receives inquiry from a client (1) and transmits a corresponding reply information to the client. A storing **module** (3-1) provided in the management unit stores a homepage **divided** into identification information, page description and **URL** information in the form of a table (3-3). Information corresponding to the client requirement is **retrieved** from the table and is transmitted to the client as a reply information.

USE - In internet.

ADVANTAGE - The time taken to access a specific page is reduced thus traffic of circuit is lowered. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the homepage discrimination system.

(1) Client; (3) Management unit; (3-1) Storing **module** ; (3-3) Table.

Dwg.1/2

Title Terms: DISCRIMINATE; SYSTEM; TRANSMIT; IDENTIFY; INFORMATION; PAGE; DESCRIBE; INFORMATION; STORAGE; STORAGE; **MODULE** ; FORM; TABLE; ACCORD; CLIENT; REQUIRE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-013/00

File Segment: EPI

13/5/22 (Item 22 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011901033 \*\*Image available\*\*  
WPI Acc No: 1998-317943/199828  
XRPX Acc No: N98-249538

**HTML document interpretation system using URL in WWW - includes document type definition unit to define HTML document structure by defining link component with URL as attribute of link and component identifier as attribute value**

Patent Assignee: FUJITSU LTD (FUIT )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| JP 10116222 | A    | 19980506 | JP 97138919 | A    | 19970528 | 199828 B |

Priority Applications (No Type Date): JP 96218429 A 19960820

Patent Details:

| Patent No   | Kind | Lan Pg | Main IPC    | Filing Notes |
|-------------|------|--------|-------------|--------------|
| JP 10116222 | A    | 8      | G06F-012/00 |              |

Abstract (Basic): JP 10116222 A

The system specifies HyTime as the document description language. The **location** of the link is specified by **URL** in the HTML document. A document type definition unit defines the HTML document structure by defining the link **components** based on Hytime specification with **URL** as the attribute of the link **component**.

The **component identifier** is set as the attribute value. A **parsing** unit (1) interprets the HTML document based on the definition provided by the document type definition unit.

ADVANTAGE - Avoids need for **filtering** and additional manual processing of HTML document.

Dwg.3/8

Title Terms: DOCUMENT; INTERPRETATION; SYSTEM; DOCUMENT; TYPE; DEFINE; UNIT ; DEFINE; DOCUMENT; STRUCTURE; DEFINE; LINK; **COMPONENT** ; ATTRIBUTE; LINK ; **COMPONENT** ; IDENTIFY; ATTRIBUTE; VALUE

Index Terms/Additional Words: **HYPERMEDIA** ; **TIME-BASED** ; STRUCTURED; LANGUAGE

Derwent Class: T01

International Patent Class (Main): G06F-012/00

International Patent Class (Additional): **G06F-017/21** ; **G06F-017/30**

File Segment: EPI

*June 5-28-91*

13/5/23 (Item 23 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011394480 \*\*Image available\*\*  
WPI Acc No: 1997-372387/199734  
XRPX Acc No: N97-309297

Computer-based dynamic information clipping service method for computer network e.g. internet - involves querying information repository using collected command- strings to generate query results and creating Hypertext Mark-up Language (HTML) page using sorted query results

Patent Assignee: SILICON GRAPHICS INC (SILI-N)

Inventor: FERGUSON G J

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 5649186 | A    | 19970715 | US 95511832 | A    | 19950807 | 199734 B |

Priority Applications (No Type Date): US 95511832 A 19950807

Patent Details:

| Patent No  | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|----------|--------------|
| US 5649186 | A    |     | 15 |          |              |

Abstract (Basic): US 5649186 A

The method involves permitting an end-user to create a template of topics of interest via a graphical user interface. The template is transmitted to a central site for processing. At the central site, information relating to a particular base of knowledge is collected using an infobot responsive to **Uniform Resource Locators** to traverse hyperlinks associated with the base of knowledge.

The information **parsed** and indexed. The **parsed** and indexed information in are stored in an information repository. Command-**strings** relating to the topics of interest found within the **parsed** template are collected. The information repository is **queried** using the collected command- **strings** to generate **query** results. The **query** results is sorted and a Hypertext Mark-up Language (HTML) page is created using the sorted **query** results.

ADVANTAGE - Provides accurate technique/service for accessing information on internet with minimum level of user specificity and involvement.

Dwg.3/6

Title Terms: COMPUTER; BASED; DYNAMIC; INFORMATION; CLIP; SERVICE; METHOD; COMPUTER; NETWORK; INFORMATION; REPOSITORY; COLLECT; COMMAND; **STRING** ; GENERATE; **QUERY** ; RESULT; MARK; UP; LANGUAGE; PAGE; SORT; **QUERY** ; RESULT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI



13/5/26 (Item 26 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06839788 \*\*Image available\*\*  
HOMEPAGE DISTRIBUTING DEVICE

PUB. NO.: 2001-067283 [JP 2001067283 A]  
PUBLISHED: March 16, 2001 (20010316)  
INVENTOR(s): TAKEUCHI HIROSHI  
APPLICANT(s): DOKOMO ENG KK  
TAKEUCHI HIROSHI  
APPL. NO.: 11-239198 [JP 99239198]  
FILED: August 26, 1999 (19990826)  
INTL CLASS: G06F-013/00; **G06F-017/30** ; H04L-012/18; H04L-012/54;  
H04L-012/58; H04M-011/08

#### ABSTRACT

PROBLEM TO BE SOLVED: To extract a specific information from a homepage and to make it distributable by e-mail at a specified time by **filtering** the data of the homepage so that previously set conditions are met after obtaining the data and mailing the **filtered** data to a reception terminal.

SOLUTION: A data input **part** 14 receives a read-in command from a control **part** 19. This command is composed of the **URL** and HTML file name of a homepage. A data input **part** 14 receives homepage data from the **URL** . A **filter** 15, after performing preprocessing, extracts only necessary data from the received data according to **retrieval** conditions stored in a condition storage **part** 12. The data which are extracted by the **filter** 15 so as to meet the **retrieval** conditions are sent to a text processing **part** 16 and processed so that the extracted data constitute an electronic mail body, and the mail is sent from a mail transmission control **part** 18.

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13/5/27 (Item 27 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06462353 \*\*Image available\*\*  
**URL FILTERING SYSTEM**

PUB. NO.: 2000-047927 [JP 2000047927 A]  
PUBLISHED: February 18, 2000 (20000218)  
INVENTOR(s): MATSUO MAOMI  
APPLICANT(s): NEC CORP  
APPL. NO.: 10-217348 [JP 98217348]  
FILED: July 31, 1998 (19980731)  
INTL CLASS: G06F-012/00; G06F-017/30

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide a **URL filtering** system for extracting a **URL** without applying any load to a network.

**SOLUTION:** A proxy server operating device 24 judges repetition or repetition refusal concerning an access based on the list of **URL** in a proxy server setting storage **part** 34. At the time of processing start, a cache log **retrieving** device 21 reads a **keyword** out of a **keyword** storage **part** 31, reads the **URL** out of a cache log storage **part** 32 and **retrieves** the presence/absence of the **keyword**, and when there is the **keyword** in the **URL**, the **URL** is stored in the proxy server setting storage **part** 34. When the proxy server setting storage **part** 34 fails the **retrieval** of the **keyword**, a cache data **retrieving** device 22 reads out data, and in the case of HTML file, a cache data file name is investigated. Then, the presence/absence of the **keyword** in the HTML data is **retrieved**, and when there is the **keyword**, since the **URL** is stored in the proxy server setting storage **part** 34, the **URL** can be extracted without applying any load to the network.

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| Set | Items   | Description                                                                                                                   |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------|
| S1  | 23255   | URL OR URN OR URLS OR URNS OR URI OR URIS OR DOI OR DOIS OR DIGITAL()OBJECT()IDENTIFIER? OR (UNIFORM OR UNIVERSAL)()RESOURCE  |
| S2  | 662242  | PARSE? OR PARSING OR FILTER? OR DIVIDE? OR SPLIT? ? OR BREAK?                                                                 |
| S3  | 1281018 | PART? ? OR SEGMENT? OR FRAG OR FRAGMENT? OR COMPONENT? OR -MODULE? OR SECTOR? OR STRING?                                      |
| S4  | 66999   | IDENTIFIER? OR KEYWORD? OR KEYTERM? OR KEYPHRASE? OR DESCRIPTOR? OR (INDEXED OR KEY)() (WORD? OR TERM? OR PHRASE? OR STRING?) |
| S5  | 1549800 | SEARCH? OR SEEK? OR FIND? OR LOCAT? OR QUER? OR RETRIEV?                                                                      |
| S6  | 163     | S1(S)S2(S)S3(S)S4(S)S5                                                                                                        |
| S7  | 15      | S1(3N)S2(S)S3(S)S4(S)S5                                                                                                       |
| S8  | 68      | S1(10N)S2 AND S6                                                                                                              |
| S9  | 3       | S8 AND IC=G06F-015/16                                                                                                         |
| S10 | 4       | S8 AND IC=G06F-015?                                                                                                           |
| S11 | 33      | S1(10N)S2(10N)S3(S)S4(S)S5                                                                                                    |
| S12 | 41      | S7 OR S11 OR S10                                                                                                              |
| S13 | 41      | IDPAT (sorted in duplicate/non-duplicate order)                                                                               |
| S14 | 41      | IDPAT (primary/non-duplicate records only)                                                                                    |

File 348:EUROPEAN PATENTS 1978-2003/Aug W04  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030828,UT=20030821  
(c) 2003 WIPO/Univentio

14/5,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01028539 \*\*Image available\*\*

**AUGMENTING DATA IN A DATABASE FOR PREDICTIVE MODELING**  
**PROCEDE D'AUGMENTATION DE DONNEES DANS UNE BASE DE DONNEES DE MODELISATION**  
**PREDICTIVE**

Patent Applicant/Assignee:

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CAMERON Gordon, 704 Lincoln Drive, Brookhaven, PA 19015, US,

Legal Representative:

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Way, Menlo Park, CA 94025, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200358504 A1 20030717 (WO 0358504)  
Application: WO 2002US41507 20021227 (PCT/WO US0241507)  
Priority Application: US 200132843 20011227

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK  
TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13579

**English Abstract**

A computerized method and/or apparatus for augmenting data in a source database is disclosed (Figure 1). The data to be augmented is obtained from a reference database (115) wherein data is stored in an unstructured format. An analyzer processes the unstructured data into sets of descriptors. A data mining component (140) and a predictive modeling component (125) utilize the data in the augmented database to identify or classify behaviors.

**French Abstract**

L'invention concerne un procede et/ou appareil informatise d'augmentation de donnees dans une base de donnees source. Les donnees a augmenter sont obtenues a partir d'une base de donnees de reference (115) dans laquelle sont stockees des donnees sous un format non structure. Un analyseur traite ces donnees non structurees en ensembles de descripteurs. Un element d'exploration de donnees (140) et un element de modelisation predictive (125) utilisent les donnees dans la base de donnees accree pour identifier ou classifier des comportements.

Legal Status (Type, Date, Text)

Publication 20030717 A1 With international search report.

Fulltext Availability:

Detailed Description

## Detailed Description

... proprietary data 130.

Figure 3 is one embodiment of a block diagram of the resource **locator** 110 shown in Figure 1. The resource, **locator** 110 receives the ...card transaction. Specific fields within the data record 105 are used by a Uniform Resource **Locator** (URL) **locator** 310 to create a set of possible URLs, or hyperlinks, embedded in the data record content, that may contain data describing the entity. The content **retrieved** from these URLs is then analyzed by a spider module 315 to create a 0...

...be discussed below with reference to Figure 5. The content from this larger set of **URLs** is reduced by a natural language **parsing** analyzer 320 to - 12 produce descriptions of the entity, e.g., merchant, described by the **URL**. A rules and measures **module** 325 is used to determine if sufficient data has been **located** about the entity. Data sufficiency is determined by measuring the total number of **keywords** and document content against a predefined threshold. If the rules and measures module 325 determines...

...as the final description for the entity. The document model contains a set of weighted **keyword** pairs. If there ...I will now be discussed with reference to Figure 7. The analyzer 125 creates merchant **descriptors**, for example lists of weighted words, from the content **retrieved** from merchant URLs. A merchant site is defined by a set of 2 0 URLs...

...content corresponding to the merchant site is parsed for text content by a strip text **module** 710, which will be discussed below with reference to Figure 8. The text content is...and the corresponding word counts by an extract WO 03/058504 PCT/US02/41507 reduction **module** 720 is further explained with reference to Figure 10. The word counts are updated and each word is assigned a word weight based on the total number of **keywords**. The analyzer outputs a list of weighted **keywords** 730, Referring to Figure 8, one embodiment of the strip text **module** 710 of Figure 7 is described. HTML content 805 from the electronic page or **URL** 705 is **parsed** for text.

Of course, HTML is but one type of content that could have text stripped. The **parsing** is conducted in three parallel sub-processes. The first process 810 parses plain text from...

14/5,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00975326 \*\*Image available\*\*

**METHOD AND SYSTEM FOR PERFORMING A PATTERN MATCH SEARCH FOR TEXT STRINGS  
PROCEDE ET SYSTEME PERMETTANT D'EFFECTUER UNE RECHERCHE D'APPARIEMENT DE  
FORMES DE CHAINES DE TEXTES**

Patent Applicant/Assignee:

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IBM UNITED KINGDOM LIMITED, P.O. Box 41, North Harbour, Portsmouth,  
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only for: MG)

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HEDDES Marco, 108 Saint Lenville Drive, Cary, NC 27511, US,  
JEFFRIES Clark Debs, 2806 H Bainbridge Drive, Durham, NC 27713, US,

Legal Representative:

LITHERLAND David Peter (agent), IBM United Kingdom Limited, Intellectual  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200305288 A2 20030116 (WO 0305288)

Application: WO 2002GB2762 20020618 (PCT/WO GB0202762)

Priority Application: US 2001898253 20010703

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06K-009/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6298

**English Abstract**

A method and system is disclosed for performing a pattern match search for a data string having a plurality of characters separated by delimiters. A search key is constructed by generating a full match search increment comprising the binary representation of a data string element, wherein the data string element comprises all characters between a pair of delimiters. The search key is completed by concatenating a pattern search prefix to the full match search increment, wherein the pattern search prefix is a cumulative pattern search result of each previous full match search increment. A full match search is then performed within a lookup table utilizing the search key. In response to finding a matching pattern within the lookup table, the process returns to constructing a next search key. In response to not finding a matching pattern, the previous full match search result is utilized to process the data string.

**French Abstract**

L'invention concerne un procede et un systeme permettant d'effectuer une recherche d'appariement de formes d'une chaine de donnees possedant une pluralite de caracteres separes par des delimitateurs. Une cle de recherche est construite par generation d'un increment de recherche a appariement total comprenant la representation binaire d'un element de la chaine de donnees, cet element comprenant tous les caracteres compris entre une

paire de delimitateurs. La cle de recherche est completee par enchainement d'un prefixe de recherche de formes a l'increment de recherche d'appariement total, ce prefixe etant un resultat de recherche de formes cumulatif de chaque increment de recherche d'appariement total anterieur. Une recherche d'appariement total est ensuite effectuee dans une table de recherche par mise en oeuvre de la cle de recherche. En reponse au fait d'avoir trouve une forme d'appariement dans la table de recherche, le procede comprend une etape consistant a construire une cle de recherche suivante. En reponse au fait de ne pas avoir trouve de forme d'appariement, le resultat de recherche d'appariement total anterieur est mis en oeuvre pour traiter la chaine de donnees.

Legal Status (Type, Date, Text)

Publication 20030116 A2 Without international search report and to be republished upon receipt of that report.

Examination 20030213 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... a data

processing network for parsing text strings.

BACKGROUND OF THE INVENTION

Parsing of text **strings** is a common processing task requiring significant processor cycles. Within a network environment, an example of such **parsing** tasks is the processing of **Universal Resource Identifier**

( **URI** ) **strings** . A **URI** is a compact **string** of characters for identifying an

abstract or physical resource. A **URI** can be further classified as a **locator** , a name, or both. A Universal Resource **Locator** (**URL**) is a

type of **URI** string that identifies resources via a representation of their primary access mechanism (e.g., their network " **location** "). **URL** addresses serve as

the global addresses utilized by Web browsers to access documents and... particular resource (such

as a hypertext markup language file) on the server. Encoded within each **URL** address **string** is the Internet Protocol (**IP**) address of the destination server.

**Parsing** of **URI** character **strings** , such as **URL** addresses, is often incorporated within pattern **searching** algorithms utilized by network processors. Such pattern **search** algorithms are utilized to **find** the longest matching binary sequence from a collection of stored binary strings. Specifically, such tasks require comparing an input **search** key

to a data string that is stored in a database to **find** the longest match.

The database that stores the data strings often includes a lookup table  
...

14/5,K/6 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00925713 \*\*Image available\*\*

**APPARATUS, METHOD AND SYSTEM FOR DIRECTORY QUALITY ASSURANCE**  
**DISPOSITIF, PROCEDE ET SYSTEME SERVANT A ASSURER LA QUALITE D'UN REPERTOIRE**  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200259797 A1 20020801 (WO 0259797)

Application: WO 2002US2321 20020125 (PCT/WO US0202321)

Priority Application: US 2001264333 20010125; US 2001267875 20010208; US  
2001267899 20010209; US 2001268766 20010214; US 2001270473 20010221; US  
2001276459 20010316; US 2001279792 20010329; US 2001303768 20010710; US  
2001328270 20011009; US 2001328274 20011009; US 2001328275 20011009

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

International Patent Class: **G06F-015/00** ; G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 28726

#### English Abstract

An apparatus, method and system to validate the integrity of a persistent identifier of information that may be located in multiple locations, formats, and accessible in variable fashions based on the context of use (135). The present disclosure further provides the ability to validate that the information being identified is valid for any given identifier. The present disclosure also teaches the ability to automatically generate tags that allows for the validation of both information and associated information identifiers either through validation and/or through registration. The invention teaches how to test and assure the quality of association between an identifier of information and the actual information. The invention details how to automatically correct poor quality references being used by identifiers, and/or provides notification escalation to aid in maintaining persistent identifier and information association (135).

#### French Abstract

Dispositif, procede et systeme servant a valider l'integrite d'un identificateur d'information constant pouvant etre localise dans des emplacements multiples, se presenter en des formats multiples et qui est accessible de facon differente selon le contexte d'utilisation (135). L'invention concerne egalement la capacite de determiner que l'information en cours d'identification est valide pour tout identificateur donne. Elle concerne, de plus, la capacite de generation automatique d'etiquettes permettant de valider a la fois l'information et des identificateurs d'information associes, par l'intermediaire d'une validation et/ou d'un enregistrement. Elle concerne egalement un procede de controle et d'assurance de la qualite d'associations entre un identificateur d'information et l'information reelle. Elle demontre la maniere de corriger automatiquement des references de mauvaise qualite utilisees par des identificateurs et/ou transmet des indications



progressives afin de conserver l'association (135) de l'identificateur constant et de l'information.

Legal Status (Type, Date, Text)

Publication 20020801 A1 With international search report.

Publication 20020801 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20021219 Request for preliminary examination prior to end of 19th month from priority date

International Patent Class: G06F-015/00 ...

Fulltext Availability:

Detailed Description

Detailed Description

... 2 (for example [www.report.com/1999/Archives.html](http://www.report.com/1999/Archives.html)). In Figure 3, this results in **breaking** 301-304 all the **URLs** 244 referencing the location and produces the dreaded "404 file not found" error 309 for...collected responses from the response collector 1717 and stores the collected ping responses in the **DOI** database in a ping statistics table 119. The **parsed** ping responses stored in the ping statistics table 119 may contain ping times, latency values...

...from the **DOI** database 119. As the error processor 1719 obtains query results from the **DOI** database detailing the ping - 60 errors, the error processor may **parse** the errors, correct the errors, send users reports of the errors, and/or escalate error...policies may be dynamically updated.

Upon being instantiated into existence, the miner obtains an apportionment **segment** for **DOIs** from a DQAS database 1903. In other words, the miner obtains some portion of **DOIs** requiring validation from a **DOI** table in a DQAS database 119. The portion may be established by policies by the...

...embodiment, multiple threads, processes, and servers may all be accessing the DQAS database simultaneously to **divide** up a potentially large number of DON that require validation by the DQAS. In an alternative embodiment, a single DQAS manages all validation of **DOIS**. In one embodiment, the miner requests the **DOI identifier**, associated resolution **location** (s), infon-nation tag **identifier**, and/or the like. In another embodiment, ping statistics are also requested. The query request...system request.

Upon being instantiated into existence, the error processor obtains an 1 5 apportiormient **segment** for Dols from a DQAS database 2303. In other words, the error processor obtains some portion of **DOIs** requiring validation from an error table in a DQAS database 119. The portion may be ...

...central DQAS may manage error processor so as to avoid repeated requests of the same **DOIs**, deadlocks, and/or the like. In such an embodiment, multiple threads, processes, and servers may all be accessing the DQAS database simultaneously - 74 to **divide** up a potentially large number of ping responses that require **parsing** by the error processor. In an alternative embodiment, a single DQAS manages all validation of Dols. In an alternative embodiment, a single DQAS manages all validation of **DOIs**. In one embodiment, the error processor requests the **DOI identifier**, associated resolution **location**, information tag **identifier**, and/or the like. In another embodiment, ping statistics are also requested. The query request...

...order by pinger, then by host, then by contact, then by error type, then by **DOI**, and then by **DOI location** 2304.

Upon obtaining the sorted que

14/5,K/11 (Item 11 from file: 349)  
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00857226 \*\*Image available\*\*

REMOTE FUNCTION INVOCATION WITH MESSAGING IN A DISTRIBUTED COMPUTING  
ENVIRONMENT

APPEL DE FONCTION A DISTANCE AU MOYEN DE MESSAGES DANS UN ENVIRONNEMENT  
INFORMATIQUE DISTRIBUE

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Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200190883 A2-A3 20011129 (WO 0190883)

Application: WO 2001US15120 20010509 (PCT/WO US0115120)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000672200 20000927

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 68919

English Abstract

An interface between clients and services in a distributed computing environment is described. Method gates may provide an interface to remotely invoke functions of a service. A method gate may be generated from an advertisement that may include definitions for one or more messages for remotely invoking functions of the service. A client may generate messages containing representations of method calls. The service may invoke functions that correspond to the set of messages. A method gate on the service may unmarshal the message and invoke the function. The client may receive the results of the function directly.

Alternatively, the results may be stored, an advertisement to the results may be provided, and a gate may be generated to access the results.

Message gates may perform the sending and receiving of the messages between the client and service. In one embodiment, functions of the service may be computer programming language (e.g. Java) methods. In one embodiment, a message including a representation of a method call may be generated when no actual method call was made. In one embodiment, a method call may be transformed into messages that may be sent to the service; the service may not know that the messages were generated from a method call. In one embodiment, a service may transform messages requesting functions into method calls; the client may not know that the service is invoking methods to perform the functions.

French Abstract

L'invention concerne une interface entre des clients et des services dans

un environnement informatique distribue. Des grilles de methodes peuvent fournir une interface pour appeler a distance des fonctions d'un service. Une grille de methode peut etre generee a partir d'une annonce pouvant contenir des definitions d'un ou de plusieurs messages afin d'appeler a distance des fonctions du service. Un client peut generer des messages contenant des representations d'appels de methode. Le service peut appeler des fonctions qui correspondent a l'ensemble de messages. Une grille de methode sur le service peut decoder le message et appeler la fonction. Le client peut recevoir les resultats de la fonction directement. Les resultats peuvent eventuellement etre stockes, une annonce des resultats peut etre produite et une grille peut etre generee pour acceder aux resultats. Des grilles de message peuvent emettre et recevoir les messages entre le client et le service. Dans un mode de realisation, les fonctions du service peuvent etre des methodes de programmation de langage informatique (p. ex. Java). Dans un autre mode de realisation, un message contenant une representation d'un appel de methode peut etre genere lorsqu'aucun appel de methode reel n'est effectue. Dans un autre mode de realisation encore, un appel de methode peut etre transforme en messages pouvant etre envoyes au service. Le service peut ignorer que les messages etaient generes a partir d'un appel de methode. Dans un autre mode de realisation enfin, un service peut transformer des messages necessitant des fonctions en appels de methode. Le client peut ignorer que le service appelle des methodes pour executer des fonctions.

Legal Status (Type, Date, Text)

|               |          |                                                                                                                                     |
|---------------|----------|-------------------------------------------------------------------------------------------------------------------------------------|
| Publication   | 20011129 | A2 Without international search report and to be republished upon receipt of that report.                                           |
| Examination   | 20020131 | Request for preliminary examination prior to end of 19th month from priority date                                                   |
| Search Rpt    | 20030227 | Late publication of international search report                                                                                     |
| Republication | 20030227 | A3 With international search report.                                                                                                |
| Republication | 20030227 | A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |

Fulltext Availability:  
Detailed Description

Detailed Description

... described above, a space may be an XML-based Website, and as such may be **searched** via Internet Web **search** mechanisms. A space may include Internet **searchable keywords**. Some devices, such as small client devices, may not support an Internet browser. However, such devices may still perform Internet **searches** for spaces within the distributed computing environment. A device may have a program that accepts strings of **keywords**, which may be sent to a proxy program on a server (e.g. a **search** service). The proxy may send the strings to a browser-based **search** facility (e.g. an internet **search** facility) to perform the **search**. The proxy may receive the output of the **search** and **parse** (inverted exclamation mark)t into **strings** (e.g. XML **strings**) representing each **URI** for the **search** results and send the response **strings** back to the client. Thus, a client may **locate** spaces through the Internet without having to support a program such as a Web browser. More capable devices may avoid the use of a proxy and. initiate an Internet-based **search** service directly.

A fourth way a client may locate a space is by obtaining or...

14/5,K/12 (Item 12 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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7. date

00852848 \*\*Image available\*\*

**MECHANISM AND APPARATUS FOR WEB-BASED SEARCHING OF URI-ADDRESSABLE  
REPOSITORIES IN A DISTRIBUTED COMPUTING ENVIRONMENT  
PROCEDE ET DISPOSITIF DE RECHERCHE DANS LE WEB DE SERVICES D'ARCHIVE  
ADRESSABLES PAR URI DANS UN ENVIRONNEMENT D'INFORMATIQUE DISTRIBUEE**

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Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186487 A2-A3 20011115 (WO 0186487)

Application: WO 2001US15135 20010509 (PCT/WO US0115135)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653612 20000831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 63258

**English Abstract**

A system and method for searching for Internet-based repositories within a distributed computing environment are provided. A client on a device may interact with a search service on the same or a different device to find spaces (i.e., network-accessible XML object repositories) for storage and/or retrieval of data. The client may send an XML search request to the search service. The search request may include one or more desired characteristics, such as keywords, which are sought of a space. Based upon the search request, the search service may generate search results including locations (e.g., URIs) of one or more resulting spaces. The spaces may include web pages. In generating the search results, the search service may interact with a network-accessible third-party search engine, such as a browser-accessible search engine. The search service may obtain a service advertisement for each of the resulting spaces. Each service advertisement includes information which is usable to access the respective space. The search service may send the search results, including the advertisements and/or URIs, to the client to enable the client to access the resulting spaces at their respective locations. The search service may store the search results in a results space and send the address of the results space to the client.

**French Abstract**

La presente invention concerne un systeme et un procede permettant de rechercher des services d'archives accessibles par Internet dans un

environnement d'informatique distribuee. Un client sur in appareil peut interagir avec un service de recherche sur le meme appareil ou un appareil different de facon a trouver des espaces, c'est a dire des archives d'objets XML accessibles par reseau, a des fins de stockage et/ou de stockage de donnees. Le client peut envoyer au service de recherche une requete de recherche XML. La requete de recherche peut comporter une ou plusieurs caracteristiques desirees, telles que des mots cles, qui sont recherches dans un espace. Sur la base de la requete de recherche, le service de recherche peut generer des resultats de recherche incluant des emplacements, par exemple des identificateurs URI, d'un ou de plusieurs espaces resultants. Ces espaces peuvent inclure des pages web. En generant les resultats de recherche, le service de recherche peut interagit avec un moteur de recherche tiers accessible par reseau, tel qu'un moteur de recherche accessible par navigateur. Le service de recherche peut aboutir a une annonce de service pour chacun des espaces resultants. Chaque annonce de service comporte une information qui est utilisable pour acceder a l'espace considere. Le service de recherche peut envoyer au client des resultats de recherche, y-compris les annonces et/ou les identificateurs URI, pour permettre au client d'acceder aux espaces resultants en leurs differents emplacements. Le service de recherche peut stocker les resultats de recherche dans un espace de resultats et envoyer au client l'adresse de l'espace des resultats.

Legal Status (Type, Date, Text)

|               |          |                                                                                           |
|---------------|----------|-------------------------------------------------------------------------------------------|
| Publication   | 20011115 | A2 Without international search report and to be republished upon receipt of that report. |
| Examination   | 20020214 | Request for preliminary examination prior to end of 19th month from priority date         |
| Search Rpt    | 20030130 | Late publication of international search report                                           |
| Republication | 20030130 | A3 With international search report.                                                      |

Fulltext Availability:

Detailed Description

Detailed Description

... more detail below.

14

A discovery service may be provided for clients as a general **search** facility that may be used by a client to **locate** a particular space. Rather than attempt to define a complicated **search** protocol which may not be feasible for a thin client to implement, the discovery service may offload the actual **search** to XML-based **search** facilities, leaving the discovery service simply to provide interface functionality to the client. The approach...

...service receives a string spec(inverted exclamation mark)fy(inverted exclamation mark)ng something to **locate** , and it sends an XMI, message to a known discovery front-end (perhaps found in...

...default space), which then parses the string and makes a corresponding XMI, query to a **search** facility (which may be an internet **search** facility). The discovery front-end may **parse** what it obtains from the **search** facility and repackage it as an array of **strings** (each **string** may be a **URI** for each found space) which it may send in an XMI, message to the client...

...inverted exclamation mark)t possible for the client to discover spaces without a browser or **search** facility on the client. The client only needs a simple facility that sends a string that specifies **keywords** to the front-end, which interfaces with a **search** facility.

A client may be any platform that can send a message using at least... facility) to perform the search. The proxy may receive the output of the search and. **parse** (inverted exclamation mark)t into **strings** (e.g. XML **strings** ) representing each **URI** for the **search** results and. send the response **strings** back to the client. Thus, a client may

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DIALOG(R)File 349:PCT FULLTEXT  
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00852847 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROXIMITY DISCOVERY OF SERVICES**  
**PROCEDE ET APPAREIL POUR DECOUVRIR LA PROXIMITE DE SERVICES**

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Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

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Application: WO 2001US15099 20010509 (PCT/WO US0115099)  
Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000656588 20000907

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/50

International Patent Class: G06F-017/30; G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 64154

**English Abstract**

A service discovery protocol may allow clients to discover services on a proximity basis. A service device that provides one or more computing services may support a proximity communication link. A client device may form a proximity communication link with the service device. The client device may directly request from the service device a document that describes an interface to access a service provided by the service device. The service device may provide the document directly to the client device over proximity communication link. The document may include a service advertisement for the service, and the service advertisement may include a schema specifying an interface to at least a portion the service. The client device may use the information from the document to access the service. The client device may support a transport connection in addition to the proximity communication link, and the client device may make the document available to other devices over the transport connection. Thus, the client device may provide a bridge from the transport connection to the proximity communication link so that other devices from a distributed computing environment may access the service.

**French Abstract**

Un protocole de decouverte de services permet aux clients de decouvrir des services sur une base de proximite. Un dispositif de services fournissant un ou plusieurs services informatiques sert de support a un lien de communication de proximite. Un dispositif client cree un lien de communication de proximite avec le dispositif de services. Le dispositif

client demande directement au dispositif de services un document qui decrit une interface pour acceder a un service fourni par le dispositif de services. Ce dernier fournit le document directement au dispositif client via le lien de communication de proximite. Le document comporte une publicite sur le service, publicite qui presente un schema specifiant une interface vers au moins une partie dudit service. Le dispositif client utilise l'information dudit document pour acceder au service. Ce dispositif client sert de support, en plus du lien de communication de proximite, a une connexion de transport, par l'intermediaire de laquelle il met le document a disposition d'autres dispositifs. Ainsi, le dispositif client etablit un pont entre la connexion de transport et le lien de communication de proximite, de sorte que d'autres dispositifs appartenant a un environnement informatique distribue peuvent acceder audit service.

Legal Status (Type, Date, Text)

|               |          |                                                                                                                                     |
|---------------|----------|-------------------------------------------------------------------------------------------------------------------------------------|
| Publication   | 20011115 | A2 Without international search report and to be republished upon receipt of that report.                                           |
| Search Rpt    | 20021121 | Late publication of international search report                                                                                     |
| Republication | 20021121 | A3 With international search report.                                                                                                |
| Republication | 20021121 | A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |
| Examination   | 20030612 | Request for preliminary examination prior to end of 19th month from priority date                                                   |

Fulltext Availability:  
Detailed Description

Detailed Description

... described above, a space may be an XML-based Website, and. as such may be **searched** via Internet Web **search** mechanisms. A space may include Internet **searchable keywords**. Some devices, such as small client devices, may not support an Internet browser. However, such devices may still perform Internet **searches** for spaces within the distributed computing environment. A device may have a program that accepts strings of **keywords**, which may be sent to a proxy program on a server (e.g. a **search** service). The proxy may send the strings to a browser-based **search** facility (e.g. an internet **search** facility) to perform the **search**. The proxy may receive the output of the **search** and **parse** it into **strings** (e.g. XMI **strings**) representing each **URI** for the **search** results and send the response **strings** back to the client. Thus, a client may **locate** spaces through the Internet without havincr to support a program such as a Web browser. More capable devices may avoid the use of a proxy and initiate an Internet-based **search** service directly.

A fourth way a client may locate a space is by obtaining or...

14/5,K/14 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00852812 \*\*Image available\*\*

**MIGRATING PROCESSES USING DATA REPRESENTATION LANGUAGE REPRESENTATIONS OF  
THE PROCESSES IN A DISTRIBUTED COMPUTING ENVIRONMENT  
PROCEDE DE MIGRATION AU MOYEN DE REPRESENTATION DE LANGAGE DE  
REPRESENTATION DE DONNEES DE PROCEDES DANS UN ENVIRONNEMENT  
INFORMATIQUE DISTRIBUE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

KOWERT Robert C (agent), CONLEY, ROSE & TAYON, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186440 A2-A3 20011115 (WO 0186440)

Application: WO 2001US15132 20010509 (PCT/WO US0115132)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000663564 20000915

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/50

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 71445

**English Abstract**

A data representation language representation of the state of a process executing on a client or service in a distributed computing environment may be created. The representation may include a computation state of the device and/or virtual machine on which the process is executing, wherein the computation state of the device and/or virtual machine comprises information about the execution state of the process on the device and/or virtual machine. A process state may include, but is not limited to: threads, all objects referenced by the threads, transient variables created during the execution of the process, objects and their data, etc. In one embodiment, data describing one or more leases representing grants of access to external services, obtained from spaces by the process, may also be stored with the process state. The data representation language representation of the state of a process may be moved from node to node within the distributed computing environment. The representation of the state of a process may also be stored as a data representation language object in a store mechanism, and later retrieved from the store mechanism to resume the process execution on the same node or on a different node in the distributed computing environment. In one embodiment, an object compilation/decompilation process may be used in creating the representation of the state of a process and in regenerating the state of the process by decompiling the representation of the state of the process.

**French Abstract**



L'invention concerne la creation d'une representation de langage de representation de donnees de l'etat d'un procede s'executant sur un client ou un service dans un environnement informatique distribue. Cette representation peut comprendre un etat de calcul d'un dispositif et/ou d'une machine virtuelle sur lesquels s'execute le procede, l'etat de calcul du dispositif et/ou de la machine virtuelle comprenant des informations relatives a l'etat d'execution du procede sur ledit dispositif et/ou ladite machine virtuelle. Un etat de procede peut comprendre notamment des fils, tous les objets references par lesdits fils, des variables transitoires creees pendant l'execution dudit procede, des objets et leurs donnees, etc. Selon un mode de realisation, des donnees decrivant au moins une autorisation d'accès aux services extérieurs representant des baux obtenus a partir d'espaces au moyen du procede peuvent egalement etre stockees dans l'etat du procede. La representation de langage de representation de donnees de l'etat du procede peut etre deplacee d'un noeud a un autre noeud dans l'environnement informatique distribue. La representation de l'etat d'un procede peut egalement etre stockee sous forme d'un objet de langage de representation de donnees dans un mecanisme de stockage, et extraite ulterieurement dudit mecanisme afin de recommencer l'execution du procede sur le meme noeud ou sur un noeud different de l'environnement informatique distribue. Selon un autre mode de realisation, un procede de compilation/decompilation d'objet peut etre utilise par creation de la representation de l'etat d'un procede et regeneration dudit etat du procede.

Legal Status (Type, Date, Text)

|               |          |                                                                                           |
|---------------|----------|-------------------------------------------------------------------------------------------|
| Publication   | 20011115 | A2 Without international search report and to be republished upon receipt of that report. |
| Examination   | 20020131 | Request for preliminary examination prior to end of 19th month from priority date         |
| Search Rpt    | 20030313 | Late publication of international search report                                           |
| Republication | 20030313 | A3 With international search report.                                                      |

Fulltext Availability:  
Detailed Description

#### Detailed Description

... facility) to perform the search. The proxy may receive the output of the search and **parse** it into **strings** (e.g. XMI, **strings**) representing each **URI** for the **search** results and send the response **strings** back to the client. Thus, a client may **locate** spaces through the Internet without having to support a program such as a Web browser. More capable devices may avoid the use of a proxy and initiate an Internet-based **search** service directly.  
A fourth way a client may locate a space is by obtaining or...

14/5,K/18 (Item 18 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00852800 \*\*Image available\*\*

**DYNAMIC DISPLAY OBJECTS IN A DISTRIBUTED COMPUTING ENVIRONMENT**  
**AFFICHAGES DYNAMIQUES DANS UN ENVIRONNEMENT D'INFORMATIQUE DISTRIBUEE**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

Inventor(s):

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TRAVERSAT Bernard A, Apartment 402, 2055 California Street, San  
Francisco, CA 94109, US,  
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Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186424 A2-A3 20011115 (WO 0186424)  
Application: WO 2001US15137 20010509 (PCT/WO US0115137)  
Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000693321 20001019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 73634

**English Abstract**

A mechanism for describing dynamic display objects in a distributed computing environment is described. A service in a distributed computing environment may generate results data for a client in response to client requests. The service may provide schemas describing the presentation characteristics of results data. The schemas may include information for use in presenting the results data. The results data may include data elements, and the presentation schema may include presentation elements each including information describing the presentation characteristics of one or more of the data elements. The client may map data elements to corresponding presentation elements from the schema, and may use the element corresponding to a data element to present the data element. Using the dynamic display objects, display behavior may be altered without having to rebuild code.

**French Abstract**

La presente invention concerne un mecanisme de description d'objets d'affichage dynamique dans un environnement d'informatique distribuee. Un service dans un environnement d'informatique distribuee peut generer des donnees de resultats pour un client en reponse a des requetes du client. Le service peut fournir des schemas decrivant les caracteristiques de presentation des donnees de resultats. Ces schemas peuvent comporter de l'information s'utilisant pour la presentation des donnees de resultats. Les donnees de resultats peuvent inclure des elements de donnees, et les schemas de presentation peuvent inclure des elements de presentation incluant chacun de l'information decrivant les caracteristiques de

presentation de l'un au moins des elements de donnees. Le client peut definir des liaisons entre elements de donnees et les elements de presentation correspondants issus du schema, et il peut utiliser l'element correspondant a un element de donnees pour presenter l'element de donnees. L'utilisation d'objets d'affichage dynamique permet de modifier un comportement a l'affichage sans avoir a reconstruire de code.

Legal Status (Type, Date, Text)

|               |          |                                                                                           |
|---------------|----------|-------------------------------------------------------------------------------------------|
| Publication   | 20011115 | A2 Without international search report and to be republished upon receipt of that report. |
| Examination   | 20020214 | Request for preliminary examination prior to end of 19th month from priority date         |
| Search Rpt    | 20030123 | Late publication of international search report                                           |
| Republication | 20030123 | A3 With international search report.                                                      |

Fulltext Availability:

Detailed Description

Detailed Description

... described above, a space may be an XML-based Website, and as such may be **searched** via Internet Web **search** mechanisms. A space may include Internet **searchable keywords**. Some devices, such as small client devices, may not support an Internet browser. However, such devices may still perform Internet **searches** for spaces within the distributed computing environment. A device may have a program that accepts strings of **keywords**, which may be sent to a proxy program on a server (e.g. a **search** service). The proxy may send the strings to a browser-based **search** facility (e.g. an internet **search** facility) to perform the **search**. The proxy may receive the output of the **search** and **parse** it into **strings** (e.g. XML, **strings**) representing each **URI** for the **search** results and send the response **strings** back to the client. Thus, a client may **locate** spaces through the Internet without having to support a program such as a Web browser. More capable devices may avoid the use of a proxy and initiate an Internet-based **search** service directly.

A fourth way a client may locate a space is by obtaining or...

14/5,K/31 (Item 31 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00785158 \*\*Image available\*\*

**INFORMATION ACQUISITION METHOD IN INTERNET AND COMPUTER READABLE MEDIUM FOR  
STORING PROGRAM FOR CARRYING OUT THE METHOD  
PROGRAMME PERMETTANT D'EXTRAIRE DES INFORMATIONS DONNEES PAR INTERNET ET  
SUPPORT LISIBLE SUR ORDINATEUR POUR MISE EN OEUVRE DE LA METHODE**

Patent Applicant/Inventor:

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(Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200118686 A1 20010315 (WO 0118686)  
Application: WO 2000KR857 20000803 (PCT/WO KR0000857)  
Priority Application: KR 9931868 19990803

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: Korean

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 6134

**English Abstract**

Method for acquiring information, from Internet, specifically required by a user among plurality of categories set by the user. The method of the present invention is carried out by a program (54) executable in a data terminal, which is equipped with a display (40) and a data storage (22) and is capable of being connected to Internet to receive and show web pages on the display (40). The program user may selectively activate some of a plurality of channels, of which buttons are arranged in a control panel similar to a remote controller. Before the data acquisition of a channel by activating thereof, the user may preset the URL of at least one external Internet server. In a state where the data terminal is connected to the Internet, the program transmits data request messages including the preset URL's to the preset Internet servers. The program receives a plurality of web pages from the Internet servers to store the web pages in the storage (22). The user may view the web pages stored in the storage regardless of the data terminal's connection to the Internet.

**French Abstract**

Cette invention concerne un procede d'acquisition d'informations diffusees par Internet que recherche specifiquement un utilisateur. Ce procede fait intervenir un programme (54) pouvant etre mis en oeuvre sur un terminal de donnees qui comprend un ecran (40) et un dispositif de stockage de donnees (22) et qui peut etre connecte a Internet en vue de la reception de donnees et de leur affichage sur l'ecran (40). L'utilisateur du programme peut solliciter selectivement un ou plusieurs canaux au moyen de boutons disposees sur un panneau de commande a la maniere de ceux d'une telecommande. Avant sollicitation d'un canal pour l'acquisition de donnees, l'utilisateur peut preregler le localisateur URL d'au moins un serveur Internet exterieur. Lorsque le terminal de donnees est connecte a Internet le programme transmet les messages de

demande de donnees, y compris le localisateur URL, aux serveurs Internet preregles. Il recoit des serveurs Internet une pluralite de pages web qui sont stockees dans le dispositif (22). L'utilisateur peut visualiser les pages stockees en (22), que le terminal de donnees soit ou non connecte a Internet.

Legal Status (Type, Date, Text)

Publication 20010315 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... display device.

A main control module 302 controls the overall operation of the program.

A **search** module 304 **searches** and downloads information of the channel set by the user under the control of the...

...the news article, the downloaded results are stored in the hard disk 22 after the **URL** linking information is changed by the **parsing module** 308. Tables 3 1 0 stores the user preset data such as channel information, **URLs** of each channel, the **search keyword** for the news channel, and a reservation time or period for the automatic **searching** . Such tables may be stored in the hard disk 22.

Although the present invention has...

14/5,K/36 (Item 36 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00747899 \*\*Image available\*\*

**METHOD AND APPARATUS FOR CONTROLLING BROWSER FUNCTIONALITY IN THE CONTEXT OF AN APPLICATION**  
**PROCEDES ET APPAREIL DE COMMANDE DE LA FONCTION DE SURVOL DANS LE CONTEXTE D'UNE APPLICATION**

Patent Applicant/Assignee:

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Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

MOSHFEGHI Mehran, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

HOEKSTRA Jelle (agent), Internationaal Octrooibureau B.V., Prof Holstlaan  
6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200060488 A2-A3 20001012 (WO 0060488)

Application: WO 2000EP2793 20000329 (PCT/WO EP0002793)

Priority Application: US 99281393 19990330

Designated States: JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-017/30

International Patent Class: H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13241

**English Abstract**

This invention includes methods and apparatus for browsing markup language documents from within the context of a client-server application running on an end-user device. Browser functionality, which is configured according to user profile information specifying each user's authorization and preferences, is embedded in the application, and can be activated by application controls. While some users have unrestricted authorization and access, others are restricted to certain browser functions and to certain allowed network resources. This restriction is enforced by preventing the browser functionality from generating network addresses that are not on a list of allowed network addresses also present in the user profile information. Network access restriction is achieved, in part, by filtering markup language documents before display to delete linking information that is not allowed. Document filtering methods are presented for Hypertext Markup Language (HTML) and Extensible Markup Language (XML) documents. The document filtering methods are extendable to additional markup languages.

**French Abstract**

L'invention concerne des procedes et un appareil permettant de survoler des documents de langage de balisage a partir du contexte d'une application client-serveur tournant sur un dispositif d'utilisateur final. La fonction de survol, qui est configuree en fonction des informations de profil utilisateur specifiant chaque autorisation d'utilisateur et ses preferences, est incorporee dans l'application, et peut etre activee par des commandes d'application. Alors que certains utilisateurs disposent d'une autorisation et d'un acces sans restrictions, d'autres disposent d'un acces reduit a certaines fonctions de survol, et a certaines ressources de reseau autorisees. Cette restriction est mise en oeuvre lorsqu'on empeche la fonction de survol de generer des adresses reseau qui ne se trouvent pas sur une liste d'adresses reseau autorisees egalement presentes dans les informations de profil utilisateur. On reduit l'accès au reseau, en partie, par filtrage des documents de langage de balisage avant affichage, afin de supprimer les informations de liaison qui ne sont pas autorisees. Les procedes de filtrage de documents sont presentes pour des document HTML (Hypertext

Markup Language) et des documents XML (Extensible Markup Language). On peut étendre ces procédés de filtrage de document à des langages de balisage supplémentaires.

Legal Status (Type, Date, Text)

Publication 20001012 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20010412 Late publication of international search report

Republication 20010412 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... Thus, when an absolute URI is resolved from a relative URI in linking information found, **fragment identifiers** (e.g., #section4) are deleted, or ignored, before comparison to the allowed **URI** list. If the comparison shows that the **URI** is allowed, then the **fragment identifier part** in the **filtered** documents is used to access the desired **location** within the document.

Accordingly, the allowed **URI** list need not maintain representation of allowed **fragment** identifiers. In other words, access granularity according to this invention is at the level of...

14/5,K/37 (Item 37 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00497715 \*\*Image available\*\*

**HTTP INTERFACE TO ELEMENT MANAGER INFRASTRUCTURE**  
**INTERFACE HTTP AVEC UNE INFRASTRUCTURE DE GESTION D'ELEMENTS**

Patent Applicant/Assignee:

CROSSKEYS SYSTEMS CORPORATION,  
KADAR Vincent,  
DUIMOVICH Frank,  
TURNER Robert,

Inventor(s):

KADAR Vincent,  
DUIMOVICH Frank,  
TURNER Robert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9929067 A1 19990610

Application: WO 98CA1113 19981201 (PCT/WO CA9801113)

Priority Application: CA 2223123 19971201

Designated States: CA JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Main International Patent Class: H04L-012/24

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 2051

English Abstract

An element Manager Infrastructure in the TMN model has an interface, preferably an http interface, to a web browser. The interface in association with an http parser creates html pages on the fly.

French Abstract

Une infrastructure de gestion d'elements dans le modele de reseau de gestion de telecommunications (TMN) possede une interface, de preference, une interface http, avec un explorateur Web. Cette interface associee a un analyseur http cree des pages html a la volee.

Fulltext Availability:

Detailed Description

Detailed Description

... are reusable.

An HTTP - Substitution object exists as entries in a dictionary, each with their **identifier** and data portion. The substitution object helps with **parsing** the request and formulating the response.

SUBSTITUTE SHEET (RULE 26)

The HTTP- **URI** object represents the **Uniform Resource Identifier**, also commonly referred to as **Uniform Resource Locator (URL)**. This object returns information with respect to a **URI string parsing** its contents and **retrieving** information such as absolute path, net path, host, port, etc.

The HTTP-Header object models...



14/5,K/39 (Item 39 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00422420 \*\*Image available\*\*

**METHOD AND SYSTEM FOR NETWORK INFORMATION ACCESS**

**PROCEDE ET SYSTEME PERMETTANT D'ACCEDER A DES INFORMATIONS SUR DES RESEAUX**

Patent Applicant/Assignee:

NETBOT INC,

Inventor(s):

CHRISTIANSON David,  
DOORENBOS Robert B,  
ETZIONI Oren,  
KWOK Chung,  
LAUCKHART Gregory,  
SELBERG Erik,  
WELD Daniel S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9812881 A2 19980326

Application: WO 97US17132 19970922 (PCT/WO US9717132)

Priority Application: US 9625304 19960920

Designated States: AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH HU ID IL

IS JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK

SL TJ TM TR TT UA UZ VN YU GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN ML MR NE SN TD TG

Main International Patent Class: G06F-007/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17554

**English Abstract**

This invention provides assistance to a user (1) in accessing network attached information sources (7). In one aspect, the invention is a method for intelligently routing a user query to information sources (7) relevant to that query, extracting relevant data fields from received responses, and intelligently presenting the extracted data in order of estimated relevance. The system of this invention implements one or more steps of the method in a centralized or distributed manner on one or more network attached computers (3). Further, this invention provides a novel language and implementation that facilitates easily written and maintained descriptions of information source query and response formats.

**French Abstract**

Cette invention permet d'aider un utilisateur a acceder a des sources d'information liees a un reseau. Dans un de ses aspects, l'invention concerne un procede destine a acheminer de facon intelligente une requete d'un utilisateur vers des sources d'information pertinentes pour cette requete, a extraire des zones de donnees pertinentes des reponses recues, et a presenter de facon intelligente les donnees extraites par ordre de pertinence estimee. Le systeme decrit dans cette invention met en oeuvre une ou davantage d'etapes du procede, de maniere centralisee ou repartie, sur un ou davantage d'ordinateurs lies a un reseau. De plus, cette invention prévoit un nouveau langage et une nouvelle mise en oeuvre qui facilitent les descriptions de requetes et formats de reponse des sources d'information, lesquelles se redigent et se gardent aisement.

Fulltext Availability:

Detailed Description

**Detailed Description**

... address of information source and  
the initial query format string; two, the query words to  
**search** ; and three, the remainder of the query format  
string for this information source; and \*/

```
$url llhttp:// searcher .source.com/ searcher .cgi?query  
=" . $ keywords . ll&onlyrr--011;  
/* The fetch action statement transfers this query the  
I/O module for network transmission, and then waits for  
the HTML formatted response.
```

```
$page = fetch(0. $ url ,");  
/* The HTML formatted response text is parsed using the  
following regular expression grammar.
```

```
$result = parse ($page, <page>);  
- 32  
/* An response from this exemplary source consists of a  
page containing zero...
```

| Set  | Items    | Description                                                                                                                   |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------|
| S1   | 48810    | URN OR URNS OR URI OR URIS OR DOI OR DOIS OR DIGITAL()OBJECT()IDENTIFIER? OR (UNIFORM OR UNIVERSAL())RESOURCE                 |
| S2   | 6531390  | PARSE? OR PARSING OR FILTER? OR DIVIDE? OR SPLIT? ? OR BREAK?                                                                 |
| S3   | 16477304 | PART? ? OR SEGMENT? OR FRAG OR FRAGMENT? OR COMPONENT? OR MODULE? OR SECTOR? OR STRING?                                       |
| S4   | 1298248  | IDENTIFIER? OR KEYWORD? OR KEYTERM? OR KEYPHRASE? OR DESCRIPTOR? OR (INDEXED OR KEY)() (WORD? OR TERM? OR PHRASE? OR STRING?) |
| S5   | 13886230 | SEARCH? OR SEEK? OR FIND? OR LOCAT? OR QUER? OR RETRIEV?                                                                      |
| S6   | 118      | S1(S)S2(S)S3(S) (S4 OR S5)                                                                                                    |
| S7   | 111      | S1(5N)S2(S) (S4 OR S5)                                                                                                        |
| S8   | 219      | S6 OR S7                                                                                                                      |
| S9   | 127      | RD (unique items)                                                                                                             |
| S10  | 87       | S9 NOT PY>1999                                                                                                                |
| S11  | 79       | S10 NOT PD>19990901                                                                                                           |
| S12  | 35       | S1(5N)S2 AND S11                                                                                                              |
| File | 275:     | Gale Group Computer DB(TM) 1983-2003/Sep 03<br>(c) 2003 The Gale Group                                                        |
| File | 47:      | Gale Group Magazine DB(TM) 1959-2003/Aug 25<br>(c) 2003 The Gale group                                                        |
| File | 75:      | TGG Management Contents(R) 86-2003/Aug W3<br>(c) 2003 The Gale Group                                                          |
| File | 636:     | Gale Group Newsletter DB(TM) 1987-2003/Sep 03<br>(c) 2003 The Gale Group                                                      |
| File | 16:      | Gale Group PROMT(R) 1990-2003/Sep 03<br>(c) 2003 The Gale Group                                                               |
| File | 624:     | McGraw-Hill Publications 1985-2003/Sep 03<br>(c) 2003 McGraw-Hill Co. Inc                                                     |
| File | 484:     | Periodical Abs Plustext 1986-2003/Aug W5<br>(c) 2003 ProQuest                                                                 |
| File | 613:     | PR Newswire 1999-2003/Sep 04<br>(c) 2003 PR Newswire Association Inc                                                          |
| File | 813:     | PR Newswire 1987-1999/Apr 30<br>(c) 1999 PR Newswire Association Inc                                                          |
| File | 141:     | Readers Guide 1983-2003/Jul<br>(c) 2003 The HW Wilson Co                                                                      |
| File | 696:     | DIALOG Telecom. Newsletters 1995-2003/Sep 03<br>(c) 2003 The Dialog Corp.                                                     |
| File | 553:     | Wilson Bus. Abs. FullText 1982-2003/Jul<br>(c) 2003 The HW Wilson Co                                                          |
| File | 621:     | Gale Group New Prod. Annou. (R) 1985-2003/Sep 03<br>(c) 2003 The Gale Group                                                   |
| File | 674:     | Computer News Fulltext 1989-2003/Aug W5<br>(c) 2003 IDG Communications                                                        |
| File | 88:      | Gale Group Business A.R.T.S. 1976-2003/Sep 04<br>(c) 2003 The Gale Group                                                      |
| File | 369:     | New Scientist 1994-2003/Aug W4<br>(c) 2003 Reed Business Information Ltd.                                                     |
| File | 160:     | Gale Group PROMT(R) 1972-1989<br>(c) 1999 The Gale Group                                                                      |
| File | 635:     | Business Dateline(R) 1985-2003/Sep 04<br>(c) 2003 ProQuest Info&Learning                                                      |
| File | 15:      | ABI/Inform(R) 1971-2003/Sep 04<br>(c) 2003 ProQuest Info&Learning                                                             |
| File | 9:       | Business & Industry(R) Jul/1994-2003/Sep 02<br>(c) 2003 Resp. DB Svcs.                                                        |
| File | 13:      | BAMP 2003/Aug W3<br>(c) 2003 Resp. DB Svcs.                                                                                   |
| File | 810:     | Business Wire 1986-1999/Feb 28<br>(c) 1999 Business Wire                                                                      |
| File | 610:     | Business Wire 1999-2003/Sep 04<br>(c) 2003 Business Wire.                                                                     |
| File | 647:     | CMP Computer Fulltext 1988-2003/Aug W2<br>(c) 2003 CMP Media, LLC                                                             |
| File | 98:      | General Sci Abs/Full-Text 1984-2003/Jul<br>(c) 2003 The HW Wilson Co.                                                         |



| Set       | Items | Description                                                                                    |
|-----------|-------|------------------------------------------------------------------------------------------------|
| S1        | 22136 | URI OR URIS OR URN OR URNS OR (UNIVERSAL OR UNIFORM) () RESO-<br>URCE() (NAME? OR IDENTIFIER?) |
| S2        | 157   | S1(5N) (PARS? OR SPLIT? OR DIVIDE? OR DIVISION? OR BREAK?)                                     |
| S3        | 114   | RD (unique items)                                                                              |
| S4        | 90    | S3 NOT PY>1999                                                                                 |
| S5        | 89    | S4 NOT PD>19990901                                                                             |
| S6        | 0     | S5(S) (KEYWORD? OR KEYTERM? OR KEY() (WORD? OR TERM? OR PHRA-<br>SE?) OR DESCRIPTOR?)          |
| S7        | 17    | S5 AND (KEYWORD? OR KEYTERM? OR KEY OR DESCRIPTOR?)                                            |
| S8        | 42    | S5 AND (SEARCH? OR QUER? OR SEEK? OR FIND? OR LOCAT?)                                          |
| S9        | 14    | S7 AND S8                                                                                      |
| S10       | 14    | RD (unique items)                                                                              |
| File 275: |       | Gale Group Computer DB(TM) 1983-2003/Sep 03<br>(c) 2003 The Gale Group                         |
| File 47:  |       | Gale Group Magazine DB(TM) 1959-2003/Aug 25<br>(c) 2003 The Gale group                         |
| File 75:  |       | TGG Management Contents(R) 86-2003/Aug W3<br>(c) 2003 The Gale Group                           |
| File 636: |       | Gale Group Newsletter DB(TM) 1987-2003/Sep 03<br>(c) 2003 The Gale Group                       |
| File 16:  |       | Gale Group PROMT(R) 1990-2003/Sep 03<br>(c) 2003 The Gale Group                                |
| File 624: |       | McGraw-Hill Publications 1985-2003/Sep 03<br>(c) 2003 McGraw-Hill Co. Inc                      |
| File 484: |       | Periodical Abs Plustext 1986-2003/Aug W5<br>(c) 2003 ProQuest                                  |
| File 613: |       | PR Newswire 1999-2003/Sep 04<br>(c) 2003 PR Newswire Association Inc                           |
| File 813: |       | PR Newswire 1987-1999/Apr 30<br>(c) 1999 PR Newswire Association Inc                           |
| File 141: |       | Readers Guide 1983-2003/Jul<br>(c) 2003 The HW Wilson Co                                       |
| File 696: |       | DIALOG Telecom. Newsletters 1995-2003/Sep 03<br>(c) 2003 The Dialog Corp.                      |
| File 553: |       | Wilson Bus. Abs. FullText 1982-2003/Jul<br>(c) 2003 The HW Wilson Co                           |
| File 621: |       | Gale Group New Prod. Annou. (R) 1985-2003/Sep 03<br>(c) 2003 The Gale Group                    |
| File 674: |       | Computer News Fulltext 1989-2003/Aug W5<br>(c) 2003 IDG Communications                         |
| File 88:  |       | Gale Group Business A.R.T.S. 1976-2003/Sep 04<br>(c) 2003 The Gale Group                       |
| File 369: |       | New Scientist 1994-2003/Aug W4<br>(c) 2003 Reed Business Information Ltd.                      |
| File 160: |       | Gale Group PROMT(R) 1972-1989<br>(c) 1999 The Gale Group                                       |
| File 635: |       | Business Dateline(R) 1985-2003/Sep 04<br>(c) 2003 ProQuest Info&Learning                       |
| File 15:  |       | ABI/Inform(R) 1971-2003/Sep 04<br>(c) 2003 ProQuest Info&Learning                              |
| File 9:   |       | Business & Industry(R) Jul/1994-2003/Sep 02<br>(c) 2003 Resp. DB Svcs.                         |
| File 13:  |       | BAMP 2003/Aug W3<br>(c) 2003 Resp. DB Svcs.                                                    |
| File 810: |       | Business Wire 1986-1999/Feb 28<br>(c) 1999 Business Wire                                       |
| File 610: |       | Business Wire 1999-2003/Sep 04<br>(c) 2003 Business Wire.                                      |
| File 647: |       | CMP Computer Fulltext 1988-2003/Aug W2<br>(c) 2003 CMP Media, LLC                              |
| File 98:  |       | General Sci Abs/Full-Text 1984-2003/Jul<br>(c) 2003 The HW Wilson Co.                          |
| File 148: |       | Gale Group Trade & Industry DB 1976-2003/Sep 03<br>(c) 2003 The Gale Group                     |
| File 634: |       | San Jose Mercury Jun 1985-2003/Sep 03<br>(c) 2003 San Jose Mercury News                        |

| Set  | Items                               | Description                                                                               |
|------|-------------------------------------|-------------------------------------------------------------------------------------------|
| S1   | 3268                                | AU=(SCHNEIDER, E? OR SCHNEIDER E?)                                                        |
| S2   | 1                                   | S1 AND ( URL OR URLS OR URI OR URIS OR URN OR URNS OR (UNI-FORM OR UNIVERSAL)()RESOURCE?) |
| S3   | 0                                   | S2 AND (PARS? OR FILTER? OR SEEK? OR SEARCH? OR BREAK? OR -ANALYS? OR ANALYZ?)            |
| File | 8: Ei Compendex(R)                  | 1970-2003/Aug W4<br>(c) 2003 Elsevier Eng. Info. Inc.                                     |
| File | 35: Dissertation Abs Online         | 1861-2003/Aug<br>(c) 2003 ProQuest Info&Learning                                          |
| File | 202: Info. Sci. & Tech. Abs.        | 1966-2003/Jul 31<br>(c) 2003, EBSCO Publishing                                            |
| File | 65: Inside Conferences              | 1993-2003/Aug W5<br>(c) 2003 BLDSC all rts. reserv.                                       |
| File | 2: INSPEC                           | 1969-2003/Aug W4<br>(c) 2003 Institution of Electrical Engineers                          |
| File | 94: JICST-EPlus                     | 1985-2003/Aug W5<br>(c) 2003 Japan Science and Tech Corp(JST)                             |
| File | 111: TGG Natl. Newspaper Index(SM)  | 1979-2003/Sep 01<br>(c) 2003 The Gale Group                                               |
| File | 233: Internet & Personal Comp. Abs. | 1981-2003/Jul<br>(c) 2003, EBSCO Pub.                                                     |
| File | 6: NTIS                             | 1964-2003/Aug W5<br>(c) 2003 NTIS, Intl Cpyrght All Rights Res                            |
| File | 144: Pascal                         | 1973-2003/Aug W4<br>(c) 2003 INIST/CNRS                                                   |
| File | 34: SciSearch(R) Cited Ref Sci      | 1990-2003/Aug W4<br>(c) 2003 Inst for Sci Info                                            |
| File | 99: Wilson Appl. Sci & Tech Abs     | 1983-2003/Jul<br>(c) 2003 The HW Wilson Co.                                               |
| File | 95: TEME-Technology & Management    | 1989-2003/Aug W3<br>(c) 2003 FIZ TECHNIK                                                  |
| File | 275: Gale Group Computer DB(TM)     | 1983-2003/Sep 02<br>(c) 2003 The Gale Group                                               |
| File | 47: Gale Group Magazine DB(TM)      | 1959-2003/Aug 22<br>(c) 2003 The Gale group                                               |
| File | 75: TGG Management Contents(R)      | 86-2003/Aug W3<br>(c) 2003 The Gale Group                                                 |
| File | 636: Gale Group Newsletter DB(TM)   | 1987-2003/Sep 02<br>(c) 2003 The Gale Group                                               |
| File | 16: Gale Group PROMT(R)             | 1990-2003/Sep 02<br>(c) 2003 The Gale Group                                               |
| File | 624: McGraw-Hill Publications       | 1985-2003/Sep 03<br>(c) 2003 McGraw-Hill Co. Inc                                          |
| File | 484: Periodical Abs Plustext        | 1986-2003/Aug W4<br>(c) 2003 ProQuest                                                     |
| File | 613: PR Newswire                    | 1999-2003/Sep 03<br>(c) 2003 PR Newswire Association Inc                                  |
| File | 141: Readers Guide                  | 1983-2003/Jul<br>(c) 2003 The HW Wilson Co                                                |
| File | 696: DIALOG Telecom. Newsletters    | 1995-2003/Sep 02<br>(c) 2003 The Dialog Corp.                                             |
| File | 553: Wilson Bus. Abs. FullText      | 1982-2003/Jul<br>(c) 2003 The HW Wilson Co                                                |
| File | 621: Gale Group New Prod. Annou.(R) | 1985-2003/Sep 02<br>(c) 2003 The Gale Group                                               |
| File | 674: Computer News Fulltext         | 1989-2003/Aug W3<br>(c) 2003 IDG Communications                                           |
| File | 88: Gale Group Business A.R.T.S.    | 1976-2003/Sep 02<br>(c) 2003 The Gale Group                                               |
| File | 369: New Scientist                  | 1994-2003/Aug W4<br>(c) 2003 Reed Business Information Ltd.                               |
| File | 635: Business Dateline(R)           | 1985-2003/Sep 03<br>(c) 2003 ProQuest Info&Learning                                       |
| File | 15: ABI/Inform(R)                   | 1971-2003/Sep 03<br>(c) 2003 ProQuest Info&Learning                                       |
| File | 9: Business & Industry(R)           | Jul/1994-2003/Sep 01<br>(c) 2003 Resp. DB Svcs.                                           |

File 13:BAMP 2003/Aug W3

(c) 2003 Resp. DB Svcs.

File 610:Business Wire 1999-2003/Sep 03

(c) 2003 Business Wire.

File 647:CMP Computer Fulltext 1988-2003/Aug W2

(c) 2003 CMP Media, LLC

File 148:Gale Group Trade & Industry DB 1976-2003/Sep 02

(c)2003 The Gale Group

2/5/1 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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03458884 E.I. Monthly No: EIM9207-037683

**Title: Soilcrete cut-off wall for undercrossing a busy rail line.**

Author: Steiner, Walter; **Schneider, Ernst** ; Cartus, Manfred

Corporate Source: Partner Balzari & Schudel AG, Bern, Switz

Conference Title: Proceedings of the 1992 ASCE Specialty Conference on  
Grouting, Soil Improvement and Geosynthetics

Conference Location: New Orleans, LA, USA Conference Date: 19920225

Sponsor: ASCE, Geotechnical Engineering Div

E.I. Conference No.: 16347

Source: Geotechnical Special Publication v 1 n 30. Publ by ASCE, New  
York, NY, USA. p 384-397

Publication Year: 1992

CODEN: GSPUER ISSN: 0895-0563

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications); X;  
(Experimental)

Journal Announcement: 9207

Abstract: A new underpass was constructed under the Main Gotthard  
Railroad to connect the town of Fluelen with the shore of Lake **Uri** . The  
railroad, which carries more than 200 trains each day could neither be  
diverted nor interrupted. Ground conditions consisted of a top layer of  
reclaimed fill overlying loose silty to fine sandy lake deposits. The  
groundwater is close to the surface and is in direct contact to the lake.  
To allow excavation beneath the tracks two cut-off walls were constructed  
consisting of triple row angled soilcrete columns. Prior to carrying out  
the main jet-grouting and excavation a field trial incorporating vertical  
and inclined borings, with and without air-assisted jet-grouting was  
performed to prove the feasibility of the system. (Author abstract) 6 Refs.

Descriptors: \*RETAINING WALLS--\*Construction; RAILROAD PLANT AND  
STRUCTURES--Underpasses; SOILS--Silt; SAND AND GRAVEL; COLUMNS

Identifiers: CUTOFF WALLS; SOILCRETE

Classification Codes:

405 (Construction Equipment & Methods); 681 (Railroad Plant &  
Structures); 483 (Soil Mechanics & Foundations); 408 (Structural Design);  
412 (Concrete)

40 (CIVIL ENGINEERING); 68 (RAILROAD ENGINEERING); 48 (ENGINEERING  
GEOLOGY); 41 (CONSTRUCTION MATERIALS)



| Set | Items | Description                                                                        |
|-----|-------|------------------------------------------------------------------------------------|
| S1  | 1066  | AU=(SCHNEIDER, E? OR SCHNEIDER E?)                                                 |
| S2  | 61    | S1 AND IC=G06F?                                                                    |
| S3  | 1     | S1 AND (URL OR URI OR (UNIFORM OR UNIVERSAL) ()RESOURCE?)                          |
| S4  | 1     | S2 AND S3                                                                          |
| S5  | 24    | S2 AND (PARS? OR FILTER? OR SEEK? OR SEARCH? OR BREAK? OR -<br>ANALYS? OR ANALYZ?) |
| S6  | 24    | S4 OR S5                                                                           |
| S7  | 24    | IDPAT (sorted in duplicate/non-duplicate order)                                    |
| S8  | 14    | IDPAT (primary/non-duplicate records only)                                         |

File 344:Chinese Patents Abs Aug 1985-2003/Mar  
(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200355  
(c) 2003 Thomson Derwent

File 351:Derwent WPI 1963-2003/UD,UM &UP=200355  
(c) 2003 Thomson Derwent

File 348:EUROPEAN PATENTS 1978-2003/Aug W04  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030828,UT=20030821  
(c) 2003 WIPO/Univentio

8/5/1 (Item 1 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
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014954235 \*\*Image available\*\*  
WPI Acc No: 2003-014749/200301  
Related WPI Acc No: 2000-012915  
XRPX Acc No: N03-010754

**Reusable information processing method in business/legal environment,  
involves transmitting selected identifier from client to provider for  
being reserved, subscribed, pre-ordered, pre-registered, ordered and  
monitored**

Patent Assignee: SCHNEIDER E (SCHN-I)  
Inventor: SCHNEIDER E  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 6442549 | B1   | 20020827 | US 97900437 | A    | 19970725 | 200301 B |
|            |      |          | US 99154411 | A    | 19990917 |          |
|            |      |          | US 99440606 | A    | 19991115 |          |

Priority Applications (No Type Date): US 99154411 P 19990917; US 97900437 A  
19970725; US 99440606 A 19991115

Patent Details:

| Patent No  | Kind | Lan | Pg          | Main IPC | Filing Notes                                                                                      |
|------------|------|-----|-------------|----------|---------------------------------------------------------------------------------------------------|
| US 6442549 | B1   | 45  | G06F-017/30 |          | CIP of application US 97900437<br>Provisional application US 99154411<br>CIP of patent US 5987464 |

Abstract (Basic): US 6442549 B1

NOVELTY - Several identifiers each identifying a telephone number of domain name, are transmitted from a provider (94) to a client (96), when the identifiers are not available for registration. A selected identifier is transmitted to the provider for being reserved, subscribed, pre-ordered, pre-registered, ordered and monitored.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Method for receiving new information from provider;
- (2) Apparatus for receiving new information from provider; and
- (3) Computer program product for receiving new information from provider.

USE - For processing reusable information through communication network such as telephone network and Internet in business/legal environment for configuring preset query to flag a group of patents or trademarks from which the subscriber is licensing technology.

ADVANTAGE - Reduces the **search** and retrieval time for accessing master database information and newly available information.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computer system illustrating the process of delivery for a given subscription period.

Provider (94)

Client (96)

pp; 45 DwgNo 4A/16

Title Terms: REUSE; INFORMATION; PROCESS; METHOD; BUSINESS; LEGAL;  
ENVIRONMENT; TRANSMIT; SELECT; IDENTIFY; CLIENT; RESERVE; PRE; ORDER; PRE  
; REGISTER; ORDER; MONITOR

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

File Segment: EPI

8/5/2 (Item 2 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

014583303 \*\*Image available\*\*  
WPI Acc No: 2002-404007/200243  
XRPX Acc No: N02-317105

Financial and intellectual property database searching method for on-line financial screening service, involves continuous searching of database for records matching financial search criteria defined by user

Patent Assignee: SCHNEIDER E (SCHN-I); SICK T (SICK-I); WEINER M L (WEIN-I)

Inventor: SCHNEIDER E ; SICK T; WEINER M L

Number of Countries: 094 Number of Patents: 003

Patent Family:

| Patent No      | Kind | Date     | Applicat No    | Kind | Date     | Week     |
|----------------|------|----------|----------------|------|----------|----------|
| US 20020040338 | A1   | 20020404 | US 2000236974  | A    | 20000930 | 200243 B |
|                |      |          | US 2001965071  | A    | 20010927 |          |
| WO 200229668   | A1   | 20020411 | WO 2001US30288 | A    | 20010927 | 200243   |
| AU 200194813   | A    | 20020415 | AU 200194813   | A    | 20010927 | 200254   |

Priority Applications (No Type Date): US 2000236974 P 20000930; US 2001965071 A 20010927

Patent Details:

| Patent No      | Kind | Lan | Pg          | Main IPC                | Filing Notes  |
|----------------|------|-----|-------------|-------------------------|---------------|
| US 20020040338 | A1   | 20  | G06F-017/60 | Provisional application | US 2000236974 |

WO 200229668 A1 E G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200194813 A G06F-017/60 Based on patent WO 200229668

Abstract (Basic): US 20020040338 A1

NOVELTY - The database is searched for records matching financial search criteria defined by a user. The search process is continued until a required number of records are found. The matching records including data items selected from the group comprising the stock price, price/earning ratio, cash/price ratio are reported to the user.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(a) Financial investment opportunities screening system; and

(b) Search request processing method.

USE - For searching financial database and intellectual property database in on-line financial screening service provided to public companies.

ADVANTAGE - Simple to use and inexpensive, compared to other approaches employed to obtain financial information about a company. Provides important information to investors through single interface or resource. Automatically broadens the search request until a search result is found.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating the steps for maintaining reference database of a system.

pp; 20 DwgNo 6/8

Title Terms: FINANCIAL; INTELLIGENCE; PROPERTIES; DATABASE; SEARCH ;

METHOD; LINE; FINANCIAL; SCREEN; SERVICE; CONTINUOUS; SEARCH ; DATABASE;

RECORD; MATCH; FINANCIAL; SEARCH ; CRITERIA; DEFINE; USER

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

8/5/3 (Item 3 from file: 351)

DIALOG(R)File 351:Derwent WPI

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014358497 \*\*Image available\*\*

WPI Acc No: 2002-179198/200223

XRPX Acc No: N02-136307

Delivery method involves adding access information of locator service to received message which is then sent to sender address when message is determined to be undeliverable to recipient address

Patent Assignee: SCHNEIDER E (SCHN-I)

Inventor: **SCHNEIDER E**

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| US 20020010745 | A1   | 20020124 | US 99169861   | P    | 19991209 | 200223 B |
|                |      |          | US 2000733348 | A    | 20001208 |          |

Priority Applications (No Type Date): US 99169861 P 19991209; US 2000733348 A 20001208

Patent Details:

| Patent No      | Kind | Lan Pg | Main IPC    | Filing Notes                        |
|----------------|------|--------|-------------|-------------------------------------|
| US 20020010745 | A1   | 16     | G06F-015/16 | Provisional application US 99169861 |

Abstract (Basic): US 20020010745 A1

NOVELTY - When a message received by the delivery service is determined to be undeliverable to a recipient address, the access information of a locator service is added to the message which is then sent to the sender address.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) an apparatus for delivering by a delivery service;  
(b) and a computer program product for delivering by a delivery service.

USE - For message delivery service.

ADVANTAGE - Automatically finds or creates **searches** for further contact information when message is bounced or undeliverable.

DESCRIPTION OF DRAWING(S) - The figure is a flowchart illustrating the steps performed for receiving and modifying a bounced message.

pp; 16 DwgNo 2/5

Title Terms: DELIVER; METHOD; ADD; ACCESS; INFORMATION; LOCATE; SERVICE; RECEIVE; MESSAGE; SEND; SEND; ADDRESS; MESSAGE; DETERMINE; RECIPIENT; ADDRESS

Derwent Class: T01

International Patent Class (Main): **G06F-015/16**

File Segment: EPI

**8/5/4 (Item 4 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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012841083 \*\*Image available\*\*

WPI Acc No: 2000-012915/200001

Related WPI Acc No: 2003-014749

XRFX Acc No: N00-010027

**Computer implemented patent files updating method for search , retrieval, reporting, delivery and update of master patent database information**

Patent Assignee: SCHNEIDER E (SCHN-I)

Inventor: **SCHNEIDER E**

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 5987464 | A    | 19991116 | US 9622714  | A    | 19960726 | 200001 B |
|            |      |          | US 97900437 | A    | 19970725 |          |

Priority Applications (No Type Date): US 9622714 P 19960726; US 97900437 A 19970725

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC    | Filing Notes                       |
|------------|------|--------|-------------|------------------------------------|
| US 5987464 | A    | 32     | G06F-017/30 | Provisional application US 9622714 |

Abstract (Basic): US 5987464 A

NOVELTY - Data (120) containing a program (34) and a potentially reusable data (30) is stored in a storage medium (70) following which data (122) containing a control data (126) is stored in the storage medium. When program of the data (120) is executed, the control data combines with potentially reusable data for producing data (128) containing newly indexed available information (130) on storage medium.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for patent file updating apparatus.

USE - For **search** , retrieval, reporting, delivery and update of master patent database information and newly available information for both online and offline systems.

ADVANTAGE - Utilizes renewal information and previous expiration information to increase subscription period. Offers automated clipping service to encourage potential use and easier access of information to the public. Reduces the **search** and retrieval time for accessing master database information and newly available information.

DESCRIPTION OF DRAWING(S) - The figure shows the relationship of storage of first, second and third data on computer system.

Potentially reusable data (30)

Program (34)

Storage medium (70)

Data (120,122,128)

Control data (126)

Newly indexed available information (130)

pp; 32 DwgNo 3/16

Title Terms: COMPUTER; IMPLEMENT; PATENT; FILE; UPDATE; METHOD; **SEARCH** ;  
RETRIEVAL; REPORT; DELIVER; UPDATE; MASTER; PATENT; DATABASE; INFORMATION  
Derwent Class: T01  
International Patent Class (Main): **G06F-017/30**  
File Segment: EPI

**8/5/5 (Item 5 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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010207060 \*\*Image available\*\*

WPI Acc No: 1995-108314/199515

XRPX Acc No: N95-085637

**Mechanical fixing of parts using screws with controlled pneumatic  
screwdriver - has control action determined by fuzzy logic rules based on  
measured speed and torque**

Patent Assignee: BOSCH GMBH ROBERT (BOSC )

Inventor: BACKE W; HAERLE V; LAYER A; **SCHNEIDER E** ; HAERLE Y

Number of Countries: 005 Number of Patents: 005

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| EP 642890   | A1   | 19950315 | EP 94112302 | A    | 19940805 | 199515 B |
| DE 4330481  | A1   | 19950316 | DE 4330481  | A    | 19930909 | 199516   |
| EP 642890   | B1   | 19970423 | EP 94112302 | A    | 19940805 | 199721   |
| US 5631823  | A    | 19970520 | US 94289761 | A    | 19940812 | 199726   |
| DE 59402503 | G    | 19970528 | DE 502503   | A    | 19940805 | 199727   |
|             |      |          | EP 94112302 | A    | 19940805 |          |

Priority Applications (No Type Date): DE 4330481 A 19930909

Cited Patents: 1.Jnl.Ref; DE 3837942; DE 4241941; EP 171058; EP 285815

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|           |    |   |   |             |  |
|-----------|----|---|---|-------------|--|
| EP 642890 | A1 | G | 6 | B25B-023/14 |  |
|-----------|----|---|---|-------------|--|

Designated States (Regional): DE FR GB SE

|            |    |  |   |             |  |
|------------|----|--|---|-------------|--|
| DE 4330481 | A1 |  | 7 | B25B-021/00 |  |
|------------|----|--|---|-------------|--|

|           |    |   |    |             |  |
|-----------|----|---|----|-------------|--|
| EP 642890 | B1 | G | 10 | B25B-023/14 |  |
|-----------|----|---|----|-------------|--|

Designated States (Regional): DE FR GB SE

|            |   |  |   |             |  |
|------------|---|--|---|-------------|--|
| US 5631823 | A |  | 9 | G06F-019/00 |  |
|------------|---|--|---|-------------|--|

|             |   |  |  |             |                           |
|-------------|---|--|--|-------------|---------------------------|
| DE 59402503 | G |  |  | B25B-023/14 | Based on patent EP 642890 |
|-------------|---|--|--|-------------|---------------------------|

Abstract (Basic): EP 642890 A

A fuzzy logic system is used to produce a joint between mechanical parts. In particular the joint is produced by screws tightened by a pneumatic screw driver (10). A torque sensor (16) and angular position sensor (18) provide feedback to a microprocessor (26), with an A/D providing conversion of the torque signal. The microprocessor executes fuzzy logic (32) control based upon a knowledge base to adjust the control gains of the pneumatic valve controller (38) based upon speed

and load stiffness.

USE/ADVANTAGE - Provides optimum control of pneumatic screwdriver.

Dwg.1/6

Title Terms: MECHANICAL; FIX; PART; SCREW; CONTROL; PNEUMATIC; SCREWDRIVER;  
CONTROL; ACTION; DETERMINE; FUZZ; LOGIC; RULE; BASED; MEASURE; SPEED;  
TORQUE

Derwent Class: P52; P56; P62; T01; T06; X25

International Patent Class (Main): B25B-021/00; B25B-023/14; **G06F-019/00**

International Patent Class (Additional): B21J-015/28; B23P-019/06;

B25B-028/00; G01L-005/24; G05B-013/00; G05B-013/02; G05D-015/00;

G05D-017/00

File Segment: EPI; EngPI

**8/5/6 (Item 6 from file: 351)**

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

004138075

WPI Acc No: 1984-283615/198446

XRFX Acc No: N84-211687

**Random access controller for electronic camera - has microprocessor to  
decode mechanical position and electronic scan parameters of array to  
produce two signals for servo loop and counter**

Patent Assignee: DATACOPY CORP (DATA-N)

Inventor: HEBARD E; RUMLEY S D; **SCHNEIDER E C**

Number of Countries: 006 Number of Patents: 005

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| EP 124839   | A    | 19841114 | EP 84104797 | A    | 19840428 | 198446 B |
| JP 60035870 | A    | 19850223 | JP 8487958  | A    | 19840502 | 198514   |
| US 4571638  | A    | 19860218 | US 83490746 | A    | 19830502 | 198610   |
| EP 124839   | B    | 19911127 |             |      |          | 199148   |
| DE 3485294  | G    | 19920109 |             |      |          | 199203   |

Priority Applications (No Type Date): US 83490746 A 19830502

Cited Patents: A3...8813; EP 29327; FR 2463554; GB 2070885; No-SR.Pub; US

4128755; US 4196450; US 4271430; WO 8100944

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
|-----------|------|--------|----------|--------------|

|           |   |   |    |  |
|-----------|---|---|----|--|
| EP 124839 | A | E | 61 |  |
|-----------|---|---|----|--|

Designated States (Regional): DE FR GB IT

|           |   |  |  |  |
|-----------|---|--|--|--|
| EP 124839 | B |  |  |  |
|-----------|---|--|--|--|

Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 124839 A

The camera has a photodiode array (10) moved by a mechanical drive in an image plane of a focussing lens to scan an image. A master microprocessor (20) decodes a command, which includes mechanical positional and electronic scan parameters, to produce two signals, one each for the two types of parameters.

A position indicator and a servo loop for the array are connected to the microprocessor for the first decoded signal to position the array. An address counter responds to output pulses, related to light intensity, from the array to generate addresses. The counter is connected to the position indicator and servo loop and responds to the second decoded signal to gate particular pulses of the array output in accordance with the electronic scan parameters.

ADVANTAGE - Scanned image start point and size can be varied, scan rate can be controlled and position **seek** operations can be performed.

1/8

Title Terms: RANDOM; ACCESS; CONTROL; ELECTRONIC; CAMERA; MICROPROCESSOR;  
DECODE; MECHANICAL; POSITION; ELECTRONIC; SCAN; PARAMETER; ARRAY; PRODUCE  
; TWO; SIGNAL; SERVO; LOOP; COUNTER

Derwent Class: T01; T04; W02

International Patent Class (Additional): **G06F-003/00** ; **G06F-015/20** ;

G06K-009/20; G06K-011/00; H04N-001/04

File Segment: EPI

8/5/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01471309

**METHOD FOR SEARCHING FINANCIAL SECURITIES AND RELEVANT INTELLECTUAL  
PROPERTY**

**PROCEDE DE RECHERCHE DE TITRES FINANCIERS ET PROPRIETE INTELLECTUELLE  
CORRESPONDANTE**

PATENT ASSIGNEE:

Sick, Terrence, (4076060), 1025 Exchange Street, Rochester, NY 14608,  
(US), (Applicant designated States: all)  
Schneider, Eric, (4076070), 13944 Cedar Road 258, University Heights, OH  
44118, (US), (Applicant designated States: all)  
Weiner, Michael, (3969960), 693 Summit Drive, Webster, NY 14580, (US),  
(Applicant designated States: all)

INVENTOR:

Sick, Terrence, 1025 Exchange Street, Rochester, NY 14608, (US)  
**Schneider, Eric**, 13944 Cedar Road 258, University Heights, OH 44118,  
(US)

Weiner, Michael, 693 Summit Drive, Webster, NY 14580, (US)

PATENT (CC, No, Kind, Date):

WO 2002029668 020411

APPLICATION (CC, No, Date): EP 2001975494 010927; WO 2001US30288 010927

PRIORITY (CC, No, Date): US 236974 P 000930

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60**

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021023 A1 International application. (Art. 158(1))

Application: 021023 A1 International application entering European  
phase

LANGUAGE (Publication,Procedural,Application): English; English; English

8/5/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01265058

**Method, software and apparatus for recovering data in conjunction with an  
operating system**

**Methode, Programm und Vorrichtung zur Wiederherstellung von Daten in  
Verbindung mit einem Betriebssystem**

**Methode, logiciel et dispositif pour la recuperation des donnees avec un  
systeme d'exploitation**

PATENT ASSIGNEE:

Wild File, Inc., (2057510), 3070 Ranch View, Plymouth, MN 55447, (US),  
(Applicant designated States: all)

INVENTOR:

**Schneider, Eric D.**, 17020 12th Avenue North, Plymouth, MN 55447, (US)

LEGAL REPRESENTATIVE:

Hackney, Nigel John et al (76991), Mewburn Ellis, York House, 23 Kingsway  
, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1091299 A2 010411 (Basic)

APPLICATION (CC, No, Date): EP 308805 001006;

PRIORITY (CC, No, Date): US 158336 991007

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-011/14**

ABSTRACT EP 1091299 A2

An invention is disclosed for recovering data in computer environment.  
Initially a record of historic slates of a disk is created, wherein the

disk includes various disk locations, such as a disk location X, a disk location Y, and a disk location Z. in response to a request to overwrite original data at the disk location X with new data, the new data is stored at the disk location Y. Then, an indication is established in the record of historic states that indicates the roles of disk location X and Y. These roles could establish the role of disk location X as including historic data, and the role of location Y as including new data for location X. In addition, the method includes intercepting a command to release data at the disk location Z, and establishing an indication in the record of historic states indicating the disk location Z stores historic data.

ABSTRACT WORD COUNT: 153

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010411 A2 Published application without **search** report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text                     | Language  | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A                           | (English) | 200115 | 993        |
| SPEC A                             | (English) | 200115 | 15470      |
| Total word count - document A      |           |        | 16463      |
| Total word count - document B      |           |        | 0          |
| Total word count - documents A + B |           |        | 16463      |

8/5/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01226804

METHOD AND APPARATUS FOR DEALING WITH DATA CORRUPTION AND SHARED DISKS IN THE CONTEXT OF SAVING, USING AND RECOVERING DATA

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON DATENVERFÄLSCHUNG UND GEMEINSAM GENUTZTE PLATTEN IM KONTEXT VON DATENSICHERUNG, -BENUTZUNG UND WIEDERHERSTELLUNG

PROCEDE ET DISPOSITIF CONCERNANT L'ALTERATION DE DONNEES ET LES DISQUES PARTAGES DANS LE CONTEXTE DE LA SAUVEGARDE, DE L'UTILISATION ET DE LA RECUPERATION DE DONNEES

PATENT ASSIGNEE:

Wild File, Inc., (2057511), 3070 Ranch View, P.O. Box 47038, Plymouth, MN 55447, (US), (Applicant designated States: all)

INVENTOR:

SCHNEIDER, Eric, D. , 17020 12th Avenue North, Plymouth, MN 55447, (US)  
GUSTAFSON, Michael, J., 13570 95th Place North, Maple Grove, MN 55369, (US)

HAGLER, Daniel, J., 42002 County 14 Boulevard, Kenyon, MN 55946, (US)

LEGAL REPRESENTATIVE:

Wombwell, Francis (46022), Potts, Kerr & Co. 15, Hamilton Square, Birkenhead Merseyside CH41 6BR, (GB)

PATENT (CC, No, Kind, Date): EP 1090348 A1 010411 (Basic)  
WO 0065447 001102

APPLICATION (CC, No, Date): EP 926314 000424; WO 00US10999 000424

PRIORITY (CC, No, Date): US 130814 990423

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-011/14

CITED PATENTS (WO A): US 5255270 A ; US 5893140 A ; WO 9912101 A ; US 5717849 A ; WO 9826353 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001227 A1 International application. (Art. 158(1))

Application: 001227 A1 International application entering European phase

Application: 010411 A1 Published application with **search** report



Examination: 010530 A1 Date of request for examination: 20010402  
LANGUAGE (Publication,Procedural,Application): English; English; English

8/5/10 (Item 10 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00737556

**FILING SYSTEM SCANNER AND IMPROVED BAR CODE**

**ABTASTEN UND VERBESSERTER STRICHCODEANORDNUNG FÜR EIN ARCHIVIERUNGSSYSTEM**  
**SCANNER ET CODE À BARRES AMÉLIORÉ POUR SYSTÈME DE CLASSEMENT DE FICHIERS**  
PATENT ASSIGNEE:

Wild File, Inc., (2057510), 3070 Ranch View, Plymouth, MN 55447, (US),  
(applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

**SCHNEIDER, Eric, D.**, 17020 12th Avenue North, Plymouth, MN 55447, (US)  
LEGAL REPRESENTATIVE:

Curley, Donnacha John et al (97811), Tomkins & Co., 5 Dartmouth Road,  
Dublin 6, (IE)

PATENT (CC, No, Kind, Date): EP 803099 A1 971029 (Basic)  
EP 803099 A1 981104  
WO 9530195 951109

APPLICATION (CC, No, Date): EP 95917642 950418; WO 95US4999 950418

PRIORITY (CC, No, Date): US 237266 940503

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-017/00 ; G06K-019/04; G09F-003/10

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 020502 A1 Legal representative(s) changed 20020313  
Application: 960131 A International application (Art. 158(1))  
Withdrawal: 030502 A1 Date application deemed withdrawn: 20021018  
Examination: 020724 A1 Date of dispatch of the first examination  
report: 20020607  
Application: 971029 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 971029 A1 Date of filing of request for examination:  
961129  
Change: 981028 A1 Obligatory supplementary classification  
(change)  
Search Report: 981104 A1 Drawing up of a supplementary European  
search report: 980915

LANGUAGE (Publication,Procedural,Application): English; English; English

8/5/11 (Item 11 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00431063

**Analog to digital input operating system.**

**Analog-Digitaleingabebetriebssystem.**

**Système opérationnel pour entrée analogique-numérique.**

PATENT ASSIGNEE:

HONEYWELL INC., (246050), Honeywell Plaza, Minneapolis Minnesota 55408,  
(US), (applicant designated states: CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

Pak, Sang, 7409 Painted Pony Trail NW, Albuquerque, NM 87120, (US)  
Ullestad, David C., 10416 LaGrange Park Drive. NE, Albuquerque, NM 87123,  
(US)

**Schneider, Eric D.**, 2301 Newton Avenue South, Minneapolis, NM 55405,  
(US)

LEGAL REPRESENTATIVE:

Fox-Male, Nicholas Vincent Humbert (57741), Honeywell Control Systems  
Limited Charles Square, Bracknell Berkshire RG12 1EB, (GB)

PATENT (CC, No, Kind, Date): EP 405924 A2 910102 (Basic)  
EP 405924 A3 920219  
APPLICATION (CC, No, Date): EP 90306994 900626;  
PRIORITY (CC, No, Date): US 371901 890627  
DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL; SE  
INTERNATIONAL PATENT CLASS: G06F-003/05 ; G06F-015/74  
CITED PATENTS (EP A): WO 8502729 A; WO 8703114 A; GB 2052193 A  
CITED REFERENCES (EP A):

IBM TECHNICAL DISCLOSURE BULLETIN vol. 26, no. 11, April 1984, NEW YORK  
pages 5856 - 5857; V.C. KENDRICK: "PROGRAMMABLE DIGITAL INPUT  
MULTIPLEXER";

ABSTRACT EP 405924 A2

An analog to digital input operating system (ADIOS) provides a flexible input data sampling schedule that is synchronized with a process controller requiring the data at a known rate for future utilization. An ADIOS Executive program cooperates with the controller hardware to provide an adaptive scheduling of any input reading based on the controller configuration which is established by the end-user via a controller interface, such as a personal computer (PC), and download to the controller when the configuration is completed. (see image in original document)

ABSTRACT WORD COUNT: 90

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910102 A2 Published application (Alwith Search Report  
;A2without Search Report)

Search Report: 920219 A3 Separate publication of the European or  
International search report

Withdrawal: 930428 A2 Date on which the European patent application  
was deemed to be withdrawn: 920820

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text                     | Language  | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A                           | (English) | EPABF1 | 269        |
| SPEC A                             | (English) | EPABF1 | 5335       |
| Total word count - document A      |           |        | 5604       |
| Total word count - document B      |           |        | 0          |
| Total word count - documents A + B |           |        | 5604       |

8/5/12 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00799794 \*\*Image available\*\*

APPARATUS AND METHOD OF CREATING A FIREWALL DATA PROTECTION

APPAREIL PERMETTANT DE PROTEGER DES DONNEES PAR PARE-FEU ET TECHNIQUE  
CORRESPONDANTE

Patent Applicant/Assignee:

WILD FILE INC, 691 S. Milpitas Blvd., Milpitas, CA 95035, US, US  
(Residence), US (Nationality)

Inventor(s):

SCHNEIDER Eric D , 17020 12th Avenue North, Plymouth, MN 55447, US

Legal Representative:

BROCK Joe A (agent), Martine Penilla & Kim, LLP, 710 Lakeway Drive, Suite  
170, Sunnyvale, CA 94085, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200133357 A1 20010510 (WO 0133357)

Application: WO 2000US29626 20001026 (PCT/WO US0029626)

Priority Application: US 99162500 19991029; US 99450266 19991129

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-011/28  
International Patent Class: G06F-011/30 ; G06F-011/00  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 5057

#### English Abstract

An invention is disclosed for a protected data storage medium (306). The protected data storage medium (306) includes a storage medium that includes a protected area. In addition, the protected data storage (306) includes a controller that is capable of controlling access to the storage medium. The controller is also capable of receiving a standard write command (312) to change data of the storage medium, of receiving a special write command (312) to change data of the storage medium. In operation, the controller changes data in the protected area (310) in response to receiving a special write command. However, the controller allows data (314) in the protected area (310) to remain unchanged in response to receiving a standard write command.

#### French Abstract

Cette invention a trait a un support de memorisation protege de donnees (306). Ce support de memorisation protege de donnees (306), qui possede un support de memorisation dote d'une zone protegee, est, de plus, pourvu d'une unite de commande a meme de commander l'accès audit support. Cette unite de commande est, en outre, capable de recevoir une instruction d'écriture standard (312) afin de modifier des donnees du support de memorisation ainsi que de recevoir une instruction d'écriture speciale (312) afin de modifier des donnees du support de memorisation. En usage, l'unité de commande modifie des donnees dans la zone protegee (310) en reaction a la reception d'une instruction de commande speciale. Cette unite de commande laisse, toutefois, des donnees (314) de la zone protegee (310) inchangees en reaction a la reception d'une instruction d'écriture standard.

#### Legal Status (Type, Date, Text)

Publication 20010510 A1 With international **search** report.  
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date

8/5/13 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00771295 \*\*Image available\*\*

**OPTIMIZED DISK STORAGE DEFRAGMENTATION WITH SWAPPING CAPABILITIES**  
**DEFRAGMENTATION DE MEMOIRE A DISQUE OPTIMISEE AVEC CAPACITES DE PERMUTATION**  
Patent Applicant/Assignee:

WILD FILE INC, P.O. Box 47038, 3070 Ranchview Lane, Plymouth, MN 55447,  
US, US (Residence), US (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

**SCHNEIDER Eric D**, P.O. Box 47038, 3070 Ranchview Lane, Plymouth, MN  
55447, US, US (Residence), US (Nationality)

Legal Representative:

PENILLA Albert S, Martine Penilla & Kim, LLP, 710 Lakeway Drive, Suite  
170, Sunnyvale, CA 94085, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200104801 A1 20010118 (WO 0104801)  
Application: WO 2000US18732 20000710 (PCT/WO US0018732)  
Priority Application: US 99143248 19990709

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/30**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5192

#### English Abstract

A method of de-fragmenting file allocations on a disk (Figure 3a) to enable an operating system to determine what pages (Figure 3a, 1-12) should be swapped. The method tracks prior states of page maps (Figure 1 and 2) and logs the locations of the swapped data so that a state prior to a defragmentation activity can be reconstructed.

#### French Abstract

L'invention concerne un procede de defragmentation d'attributions de fichiers sur un disque (Figure 3a) qui permet a un systeme d'exploitation de determiner les pages (Figure 3a, 1-12) a permuter. Le procede permet de reperer les etats anterieurs des tables de pages (Figures 1 et 2) et de consigner les emplacements des donnees permutees de facon que l'on puisse reconstruire un etat anterieur avant defragmentation.

Legal Status (Type, Date, Text)

Publication 20010118 A1 With international **search** report.

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**8/5/14 (Item 14 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00480749 \*\*Image available\*\*

**METHOD, SOFTWARE AND APPARATUS FOR SAVING, USING AND RECOVERING DATA  
PROCEDE, LOGICIEL ET DISPOSITIF PERMETTANT DE SAUVEGARDER, UTILISER ET  
RECUPERER DES DONNEES**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 98US18863 19980904 (PCT/WO US9818863)

Priority Application: US 97924198 19970905; US 9839650 19980316; US  
98105733 19980626

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MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
US US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
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Detailed Description  
Claims  
Fulltext Word Count: 51490

#### English Abstract

A method and apparatus for reverting a disk drive to an earlier point in time is disclosed. Changes made to the drive are saved in a circular history buffer which includes the old data, the time it was replaced by new data, and the original location of the data. The circular history buffer may also be implemented by saving new data elements into new locations and leaving the old data elements in their original locations. References to the new data elements are mapped to the new location. The disk drive is reverted to an earlier point in time by replacing the new data element with the original data elements retrieved from the history buffer, or in the case of the other embodiment, reads to the disk are mapped to the old data elements still stored in their original locations. The method and apparatus may be implemented as part of an operating system, or as a separate program, or in the controller for the disk drive. The method and apparatus are applicable to other forms of data storage as well. Also disclosed are method and apparatus for providing firewall protection to data in a data storage medium of a computer system.

#### French Abstract

L'invention se rapporte a un procede et a un dispositif permettant de ramener une unite de disque a un point chronologiquement anterieur. Les modifications apportees a cette unite sont sauvegardees dans un tampon historique circulaire contenant les anciennes donnees, le moment auquel elles ont ete remplacees par de nouvelles donnees et l'emplacement originel des donnees. Le tampon historique circulaire peut egalement etre mis en oeuvre grace a la sauvegarde de nouveaux elements de donnees dans de nouveaux emplacements et au maintien des anciens elements de donnees dans leurs emplacements originels. Des references relatives aux nouveaux elements de donnees sont appliquees au nouvel emplacement. L'unite de disque est ramenee a un point chronologiquement anterieur grace au remplacement des nouveaux elements de donnees par les elements de donnees originels recuperes dans le tampon historique ou bien, selon l'autre mode de realisation, les anciens elements de donnees se trouvant toujours au niveau de leurs emplacements de memorisation originels sur le disque sont lus. Ce procede et ce dispositif peuvent etre mis en oeuvre sous forme d'une partie d'un systeme d'exploitation, ou sous forme d'un programme separe, ou dans l'unite de commande de l'unite de disque. Ce procede et ce dispositif sont egalement applicables a d'autres formes de memorisation de donnees. L'invention concerne enfin un procede et un dispositif fournissant une protection de type filtrage aux donnees memorisees dans un support de memorisation de donnees d'un systeme informatique.

| Set | Items | Description                                                                                                                   |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------|
| S1  | 427   | URN OR URNS OR URI OR URIS OR DOI OR DOIS OR DIGITAL()OBJECT()IDENTIFIER? OR (UNIFORM OR UNIVERSAL())RESOURCE                 |
| S2  | 6336  | PARSE? OR PARSING OR FILTER? OR DIVIDE? OR SPLIT? ? OR BREAK?                                                                 |
| S3  | 28080 | PART? ? OR SEGMENT? OR FRAG OR FRAGMENT? OR COMPONENT? OR MODULE? OR SECTOR? OR STRING?                                       |
| S4  | 1242  | IDENTIFIER? OR KEYWORD? OR KEYTERM? OR KEYPHRASE? OR DESCRIPTOR? OR (INDEXED OR KEY)() (WORD? OR TERM? OR PHRASE? OR STRING?) |
| S5  | 26346 | SEARCH? OR SEEK? OR FIND? OR LOCAT? OR QUER? OR RETRIEV?                                                                      |
| S6  | 1     | S1(5N) (PARSE? OR PARSING OR DIVIDE? OR SPLIT? ? OR BREAK?)                                                                   |

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Aug  
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6/3,K/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00089530 DOCUMENT TYPE: Review

PRODUCT NAMES: CGI (836427)

TITLE: Web Server Programming: The Final Frontier

AUTHOR: Heller, Martin

SOURCE: Windows Magazine, v7 n6 p273(2) Jun 1996

ISSN: 1060-1066

HOME PAGE: <http://www.winmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

...to send a CGI program or to script a form's output. CGI programs also  
**parse uniform resource** locator (URL)-encoded query stings by first  
dividing data at the ampersands, which creates separate...

| Set  | Items                                               | Description                                                                                                                   |
|------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| S1   | 12681                                               | URL OR URN OR URLS OR URNS OR URI OR URIS OR DOI OR DOIS OR DIGITAL()OBJECT()IDENTIFIER? OR (UNIFORM OR UNIVERSAL)()RESOURCE  |
| S2   | 1992897                                             | PARSE? OR PARSING OR FILTER? OR DIVIDE? OR SPLIT? ? OR BREAK?                                                                 |
| S3   | 5663137                                             | PART? ? OR SEGMENT? OR FRAG OR FRAGMENT? OR COMPONENT? OR MODULE? OR SECTOR? OR STRING?                                       |
| S4   | 77568                                               | IDENTIFIER? OR KEYWORD? OR KEYTERM? OR KEYPHRASE? OR DESCRIPTOR? OR (INDEXED OR KEY)() (WORD? OR TERM? OR PHRASE? OR STRING?) |
| S5   | 3712568                                             | SEARCH? OR SEEK? OR FIND? OR LOCAT? OR QUER? OR RETRIEV?                                                                      |
| S6   | 121                                                 | S1 AND S2 AND S3                                                                                                              |
| S7   | 6                                                   | S4 AND S5 AND S6                                                                                                              |
| S8   | 49                                                  | S6 AND (S4 OR S5)                                                                                                             |
| S9   | 26                                                  | S1 AND S2 AND S4 AND S5                                                                                                       |
| S10  | 69                                                  | S7 OR S8 OR S9                                                                                                                |
| S11  | 53                                                  | RD (unique items)                                                                                                             |
| S12  | 29                                                  | S11 NOT PY>1999                                                                                                               |
| S13  | 28                                                  | S12 NOT PD>19990901                                                                                                           |
| S14  | 28                                                  | RD (unique items)                                                                                                             |
| File | 8: Ei Compendex(R) 1970-2003/Aug W4                 | (c) 2003 Elsevier Eng. Info. Inc.                                                                                             |
| File | 35: Dissertation Abs Online 1861-2003/Aug           | (c) 2003 ProQuest Info&Learning                                                                                               |
| File | 202: Info. Sci. & Tech. Abs. 1966-2003/Jul 31       | (c) 2003, EBSCO Publishing                                                                                                    |
| File | 65: Inside Conferences 1993-2003/Aug W5             | (c) 2003 BLDSC all rts. reserv.                                                                                               |
| File | 2: INSPEC 1969-2003/Aug W4                          | (c) 2003 Institution of Electrical Engineers                                                                                  |
| File | 94: JICST-EPlus 1985-2003/Aug W5                    | (c) 2003 Japan Science and Tech Corp(JST)                                                                                     |
| File | 111: TGG Natl. Newspaper Index(SM) 1979-2003/Sep 02 | (c) 2003 The Gale Group                                                                                                       |
| File | 233: Internet & Personal Comp. Abs. 1981-2003/Jul   | (c) 2003, EBSCO Pub.                                                                                                          |
| File | 144: Pascal 1973-2003/Aug W4                        | (c) 2003 INIST/CNRS                                                                                                           |
| File | 34: SciSearch(R) Cited Ref Sci 1990-2003/Aug W5     | (c) 2003 Inst for Sci Info                                                                                                    |
| File | 99: Wilson Appl. Sci & Tech Abs 1983-2003/Jul       | (c) 2003 The HW Wilson Co.                                                                                                    |
| File | 95: TEME-Technology & Management 1989-2003/Aug W3   | (c) 2003 FIZ TECHNIK                                                                                                          |



14/5/3 (Item 3 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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05027453 E.I. No: EIP98064239155

**Title: User models and filtering agents for improved Internet information retrieval**

Author: Newell, Sima C.

Corporate Source: Bunyip Information Systems, Montreal, Que, Can

Source: User Modelling and User-Adapted Interaction v 7 n 4 1997. p 223-237

Publication Year: 1997

CODEN: UMUIEQ ISSN: 0924-1868

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9807W5

**Abstract:** Over the past few years, the amount of electronic information available through the Internet has increased dramatically. Unfortunately, the **search** tools currently available for **retrieving** and **filtering** information in this space are not effective in balancing relevance and comprehensiveness. This paper analyzes the results of experiments in which HTML documents are **searched** with user models and software agents used as intermediaries to the **search**. Simple user models are first combined with **search** specifications (or 'User Needs'), to define an Enhanced User Need. Then **Uniform Resource Agents** are constructed to **filter** information based on the EUN parameters. The results of **searches** using different agents are then compared to those obtained through a comparable simple **keyword search**, and it is shown that a user **searching** a pool of existing agents can obtain better **search** results than by conducting a traditional **keyword search**. This work thus demonstrates that the use of user models and information **filtering** agents do improve **search** results and may be used to improve Internet information **retrieval**. (Author abstract) 16 Refs.

**Descriptors:** Wide area networks; Online **searching**; Artificial intelligence; Information analysis; Computer software; Information **retrieval** systems; Data communication systems

**Identifiers:** Internet; **Uniform resource** agents; Electronic information

**Classification Codes:**

722.3 (Data Communication, Equipment & Techniques); 903.3 (Information Retrieval & Use); 723.4 (Artificial Intelligence); 903.1 (Information Sources & Analysis)

722 (Computer Hardware); 903 (Information Science); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

14/5/5 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01706685 ORDER NO: AADMQ-37277

**IMPROVED INTERNET INFORMATION RETRIEVAL THROUGH THE USE OF USER MODELS,  
FILTERING AGENTS AND A KNOWLEDGE-BASED SYSTEM**

Author: NEWELL, SIMA COLETTE

Degree: M.ENG.

Year: 1997

Corporate Source/Institution: MCGILL UNIVERSITY (CANADA) (0781)

Adviser: D. A. LOWTHER

Source: VOLUME 37/06 of MASTERS ABSTRACTS.

PAGE 1884. 88 PAGES

Descriptors: COMPUTER SCIENCE ; ARTIFICIAL INTELLIGENCE ; INFORMATION  
SCIENCE

Descriptor Codes: 0984; 0800; 0723

ISBN: 0-612-37277-4

Over the past few years, the amount of electronic information available from the Internet has increased dramatically. Unfortunately, the **search** tools currently available for **retrieving** and **filtering** such information remain inadequate in balancing relevance and comprehensiveness. This work proposes a new Internet **search** paradigm. Simple user models are first combined with **search** specifications (the "user needs"), to form an Enhanced User Need (EUN). **Uniform Resource** Agents are then constructed to **filter** information, based on the EUN parameters. Finally, a knowledge-based system is developed to suggest those agents that are best for a researcher with a given background and **search** requirements. Two experiments show that users can obtain better **search** results from a set of HTML documents by invoking the agents recommended by the knowledge-based system, than by conducting a traditional **keyword**-based **search**. This work thus demonstrates that the use of user models, **filtering** agents and a knowledge-based system improves **search** results and may be extended to improve Internet information **retrieval**.

14/5/11 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6590148 INSPEC Abstract Number: C2000-06-7250R-025

**Title: Web data compression for information collection: organization, navigation and filtering with linguistic relationships of inclusion**

Author(s): Larouk, O.

Author Affiliation: High Sch. of Inf. Sci. & Libr., Univ. de Dijon, Villeurbanne, France

Conference Title: Proceedings of the Second International Conference on Information Fusion. FUSION '99 Part vol.1 p.537-47 vol.1

Publisher: Int. Soc. Inf. Fusion, Mountain View, CA, USA

Publication Date: 1999 Country of Publication: USA 2 vol.xxvi+1296 pp.

Material Identity Number: XX-2000-00896

Conference Title: Proceedings of the Second International Conference on Information Fusion. FUSION '99

Conference Sponsor: U.S. Army Res. Office; NASA Ames Res. Center; IEEE Control Syst. Soc.; IEEE Signal Process. Soc.; IEEE Aerosp. & Electron. Syst. Soc

Conference Date: 6-8 July 1999 Conference Location: Sunnyvale, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** The paper describes an approach to the design and implementation of an information **retrieval** system. Textual analysis is a **part** of information treatment systems. The access to digital data through Web servers is facilitated by **search** engines. A number of Internet **search** engines provide classified **search** directories. Following a request, the user visualizes masses of the obtained Web pages. However, the selection of documents becomes very difficulty due to non-relevant documents. Generally, the user visualizes the first pages but he doesn't consult the following hundreds. He needs tools for information **filtering** of all Web pages. The article suggests a **filtering** method based only on the **URL** address, titles, and abstracts. This step is a **part** of user profile modeling as a tool in order to access information. This **filtering** will allow a totality of solutions which are based on modeling of user needs. The **module** uses classification algorithms to extract more relevant 'terms' in titles and abstracts, given texts accepted and rejected interactively by the user in the process of **filtering**. The problem of information **searching** in texts is mainly a linguistic problem. The objective is to construct a system of automatic indexing that uses the model of Noun Phrases (NP). The intensional predicate/NP couple is used for **retrieval**, navigation and **filtering** the solutions from the Web. The questions that are asked now, are: can they play the role of **descriptors** of textual databases? How to organize them in a Documentary Indexing System for future research? The paper describes a simple method for selecting the 'good results' and proposes an algorithm for organizing future optimal **search**. (15 Refs)

Subfile: C

Descriptors: computational linguistics; data compression; information needs; information resources; information **retrieval**; **search** engines; text analysis

Identifiers: Web data compression; information collection; linguistic relationships; inclusion; information **retrieval** system; textual analysis; information treatment systems; digital data; Web servers; classified **search** directories.; Internet **search** engines; Web pages; non-relevant documents; information **filtering**; **filtering** method; **URL** address; titles; abstracts; user profile modeling; user needs; classification algorithms; information **searching**; linguistic problem; automatic indexing; Noun Phrases; intensional predicate/NP; textual databases; Documentary Indexing System; optimal **search**

Class Codes: C7250R (Information retrieval techniques); C7210N (Information networks); C6130D (Document processing techniques); C7240 (Information analysis and indexing); C4210L (Formal languages and computational linguistics); C7220 (Generation, dissemination, and use of information); C7250N (Search engines)

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14/5/21 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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03379437 JICST ACCESSION NUMBER: 97A0710978 FILE SEGMENT: JICST-E

**Information Sharing of WWW Using Bookmark-agent.**

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(1) Tokyo Inst. of Technology, Graduate School

Jinko Chino Gakkai Zenkoku Taikai Ronbunshu(Proceedings of the Annual

Conference of JSAI), 1997, VOL.11th, PAGE.486-487, FIG.3, REF.4

JOURNAL NUMBER: X0580AAA

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02+ 681.3:007.51

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

**ABSTRACT:** An idea of bookmark-agent was studies on the basis of the file of bookmarks, which is registered user's preference **URL** addresses and is one of derivatives of the cooperative information **filtering**. The bookmark-agent we studied is more effective in **searching** information than existing **search** engines such as yahoo, altavista and so on. When an user tries to **find** for certain **URLs** (i.e. the home pages which is concerned with artificial intelligence) by browsing hyperlink, the agent begins to **search** for similar web pates to what is dealt with by user at present. At the same time, the agent requests for other agents to **search** for their own bookmarks, because one agent is stood up as one user in a small scale group, and can correspond with each other. As a result, the user can obtain similar pages by his agent as hyperlinks on his web browser. The information which he got is **filtered** beforehand and reduced. (author abst.)

**DESCRIPTORS:** information service; autonomous system; information **retrieval** ; **keyword** ; similarity; **filtering** ; artificial intelligence; human interface; agent

**BROADER DESCRIPTORS:** service; system; **retrieval** ; vocabulary; property; signal processing; treatment; interface

**CLASSIFICATION CODE(S):** JE15050M; JE08000Z